

AD-A260 005



OTIC  
LECTE  
AN 2 9 1993

USAFETAC/DS--92/270

2



# **SURFACE OBSERVATION CLIMATIC SUMMARIES**

for

**BITBURG AB, GERMANY**

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723



**FEBRUARY 1992**

**APPROVED FOR PUBLIC RELEASE;  
DISTRIBUTION IS UNLIMITED**

**USAF  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER**

**Scott Air Force Base, Illinois, 62225-5438**

400945  
93-01697



REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-92/270, SURFACE OBSERVATION CLIMATIC SUMMARIES FOR  
BITBURG AB DL, FEBRUARY 1992, HAS BEEN REVIEWED AND IS APPROVED  
FOR PUBLIC RELEASE. THERE IS NO OBJECTION TO UNLIMITED DISTRIBUTION  
OF THIS DOCUMENT TO THE PUBLIC AT LARGE, OR BY THE DEFENSE TECHNICAL  
INFORMATION CENTER (DTIC) TO THE NATIONAL TECHNICAL INFORMATION SERVICE  
(NTIS).

SIGNED

JOSEPH L. BOYTE  
CHIEF, CLIMATIC APPLICATIONS, OL-A

FOR THE COMMANDER

*Walter S. Burgmann*

WALTER S. BURGMANN  
SCIENTIFIC AND TECHNICAL INFORMATION  
PROGRAM MANAGER

14 JUL 1992

II

DTIC QUALITY INSPECTED 1

Accession For	
NTIS	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

REPORT DOCUMENTATION PAGE

2. REPORT DATE: FEBRUARY 1992
3. REPORT TYPE AND DATES COVERED: DATA SUMMARY, APRIL 1952 TO MARCH 1991
4. TITLE AND SUBTITLE: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR BITBURG AB, GERMANY
7. PERFORMING ORGANIZATION NAME AND ADDRESS: OPERATING LOCATION A, USAFETAC, FEDERAL BUILDING, ASHEVILLE, NC 28801-2723
8. PERFORMING ORGANIZATION REPORT NUMBER: USAFETAC/DS-92/270
9. SPONSORING/MONITORING AGENCY NAME AND ADDRESS: USAF ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER (USAFETAC), SCOTT AFB, IL 62225-5438
11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, BITBURG AB, GERMANY, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
15. NUMBER OF PAGES: 375
17. SECURITY CLASSIFICATION OF REPORT: UNCLASSIFIED
18. SECURITY CLASSIFICATION OF THIS PAGE: UNCLASSIFIED
19. SECURITY CLASSIFICATION OF ABSTRACT: UNCLASSIFIED
20. LIMITATION OF ABSTRACT: UL

DTIC STANDARD FORM 298

III

#### PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



## CONTENTS

INTRODUCTION.....	1
STATION PERIOD OF RECORD.....	1
DATA SOURCES.....	1
TERMS EXPLAINED.....	1
TIME CONVENTIONS.....	2
ABBREVIATIONS.....	2
SUMMARY DESCRIPTIONS.....	2
STATION HISTORY.....	3
PART A - ATMOSPHERIC PHENOMENA SUMMARIES.....	A-1-1
SPECIFIED PHENOMENA	
PERCENT OCCURRENCE FREQUENCY (FROM HOURLY OBS).....	A-2-1
PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	A-3-1
PERCENT OCCURRENCE FREQUENCY (THUNDERSTORMS).....	A-4-1
VERSUS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.....	A-5-1
PART B - PRECIPITATION, SNOWFALL, AND SNOW DEPTH.....	B-1-1
PRECIPITATION	
PERCENT OCCURRENCE FREQUENCY.....	B-2-1
MONTHLY TOTALS.....	B-2-2
DAILY EXTREMES.....	B-2-3
SNOWFALL	
PERCENT OCCURRENCE FREQUENCY.....	B-3-1
MONTHLY TOTALS.....	B-3-2
DAILY EXTREMES.....	B-3-3
SNOW DEPTH	
PERCENT OCCURRENCE FREQUENCY.....	B-4-1
DAILY EXTREMES.....	B-4-2
SNOWFALL/SNOW DEPTH	
FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR.....	B-5-1
PART C - SURFACE WIND	
PEAK WINDS (FROM SOD DATA).....	C-2-1
PEAK WINDS--PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	C-3-1
WIND DIRECTION VS WIND SPEED--POF (FROM HOURLY OBS).....	C-4-1
PART D - CEILING, VISIBILITY AND SKY COVER	
CEILING VS VISIBILITY--POF (FROM HOURLY OBS).....	D-2-1
SKY COVER--POF (FROM HOURLY OBS).....	D-3-1

PART E - TEMPERATURE AND RELATIVE HUMIDITY.....	E-1-1
TEMPERATURES--CUMULATIVE POF (FROM SOD DATA)	
MAXIMA.....	E-2-1
MINIMA.....	E-2-2
MEAN.....	E-2-3
MONTHLY TEMPERATURES (FROM SOD DATA)	
MAXIMA.....	E-3-1
MINIMA.....	E-3-2
MEAN.....	E-4-1
DRY BULB, WET BULB, DEW POINT TEMPERATURES (FROM HOURLY OBS)	
DRY BULB.....	E-5-1
WET BULB.....	E-5-2
DEW POINT.....	E-5-3
RELATIVE HUMIDITY (FROM HOURLY OBS)	
CUMULATIVE PERCENT OCCURRENCE FREQUENCY.....	E-6-1
PART F - PRESSURE (FROM HOURLY OBS).....	F-1-1
SEA LEVEL PRESSURE.....	F-2-1
ALTIMETER SETTING.....	F-3-1
STATION PRESSURE.....	F-4-1
PART G - CROSSWIND SUMMARIES (FROM HOURLY OBS).....	G-1-1
PERCENT OCCURRENCE FREQUENCY.....	G-2-1
PART H - DEGREE DAY SUMMARIES (FROM HOURLY OBS).....	H-1-1
HEATING DEGREE DAYS.....	H-2-1
COOLING DEGREE DAYS.....	H-3-1

\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY DATA: APR 81 - MAR 91 (METAR).

SUMMARY OF DAY DATA: APR 52 - MAR 91 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
106100	BITBURG AB, GERMANY	N 49 57	E 006 34	1228	EDAB	10610

  

STATION LOCATION AND INSTRUMENTATION HISTORY									
Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Bitburg AB, Germany	AB	Apr 52	Feb 57	N 49 57	E 006 34	1229	1210	24
2	Same	Same	Mar 57	Jul 68	Same	Same	1228	Same	24
3	Same	Same	Aug 68	Oct 68	Same	Same	Same	Same	10
4	Same	Same	Nov 68	Mar 71	Same	Same	Same	Same	24
5	Same	Same	Apr 71	Jun 71	Same	Same	Same	Same	16
6	Same	Same	Jul 71	Jun 82	Same	Same	Same	Same	24
7	Same	Same	Jul 82	Dec 83	Same	Same	Same	1219	24
8	Same	Same	Jan 84	Jan 88	Same	Same	Same	1231	24

  

Nbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 52	Atop control tower	AN/GMQ-1	ML-204B	130 ft	
2	Mar 56	60 ft E end of rnwy	Same	Same	13 ft	
3	Mar 57	On control tower	Same	N/A	135 ft	
4	Aug 57	At ROS, 1825' N tdpt rnwy 24	Same	Same	15 ft	
5	Mar 59	On control tower	Same	Same	145 ft	
6	Mar 60	4800' fm tdpt rnwy 06, 500' SE of 160deg of ctrlin	AN/GMQ-11	RO-2A (Aug 59)	13 ft	
7	Mar 62	1654' SE of weather stn	Same	Same	40 ft	
8	Sep 64	1. 500' fm ctrlin, 1000' fm end of rnwy 06 2. 500' fm ctrlin, 1000' from end of rnwy 24	Same	Same	13 ft 31 ft	
9	Mar 69	142: Same	Same	RO-362	Same	
10	Jan 71	1. 450' fm ctrlin, 1000' fm end of rnwy 06 2. 550' fm ctrlin, 1100' fm end of rnwy 24	AM/GMQ-20	Same	Same Same	
11	Jan 88	1. Same 2. Same	Same Same	Same Same	13 ft 31 ft	



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	RAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		19.5	1.7	11.2		32.4	30.5	1.4			64.3	930
03-05		22.4	3.7	10.5		36.6	29.9	.8	.1		67.3	930
06-08		23.4	3.9	9.9		37.2	30.5	.6			68.4	930
09-11		20.6	2.5	12.9		36.0	33.1	1.7	.1		71.0	930
12-14		21.0	1.3	13.1		35.4	26.5	3.1			64.9	930
15-17		18.9	.5	10.8		30.2	24.8	4.3			59.4	930
18-20		19.8	.8	10.5		31.1	23.1	2.8			57.0	930
21-23		18.7	.6	10.9		30.2	25.4	2.2			57.7	930
ALL HOURS		20.5	1.9	11.2		33.6	28.0	2.1	.0		63.8	7440

MONTH: FEB

00-02		11.6	.2	12.8		24.6	24.5	7.3			56.4	846
03-05		11.2		14.1		25.3	26.1	7.3			58.7	846
06-08		12.3	.2	13.0		25.5	31.2	7.8			64.5	846
09-11		13.9	.6	16.8		31.3	26.8	12.1			70.2	846
12-14		11.7	.2	10.8		22.7	18.1	17.0			57.8	846
15-17		11.9	.2	8.3		20.4	14.4	16.7	.1		51.7	846
18-20		11.9		9.9		21.9	14.2	13.5			49.5	846
21-23	.2	12.4	.2	11.1		23.8	19.3	8.7			51.8	846
ALL HOURS	.0	12.1	.2	12.1		24.4	21.8	11.3	.0		57.6	6768

A - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		13.8	.3	3.9		18.0	16.6	7.2			41.7	930
03-05		16.2		5.9		22.2	26.9	5.4			54.4	930
06-08		17.7		8.3		26.0	36.0	8.7			70.8	930
09-11		18.1		8.1		26.1	23.7	20.0			69.8	930
12-14		15.3		5.3		20.5	11.0	17.7		.1	49.4	930
15-17	.3	15.9		4.5	.1	20.5	4.5	13.5			38.6	930
18-20	.4	17.4	.1	3.5	.1	21.2	5.1	11.5			37.7	930
21-23		15.2	.3	3.5		19.0	8.6	8.7			36.3	930
ALL HOURS	.1	16.2	.1	5.4	.0	21.7	16.5	11.6		.0	49.8	7440

MONTH: APR

00-02	.1	13.0		3.0		16.0	12.0	3.6			31.5	901
03-05		16.0		3.0		19.0	21.9	1.9			42.8	900
06-08		14.4		4.6		19.0	35.3	4.4		.1	58.9	900
09-11		14.6		4.1		18.7	15.7	13.1			47.4	900
12-14	.4	14.8		3.9		18.7	3.9	9.6			32.1	900
15-17	.4	14.2		3.4		17.7	4.1	7.1			28.9	900
18-20	.8	15.8		3.6		19.3	4.7	6.9			30.9	900
21-23	.4	15.1		2.6		17.7	6.3	4.2			28.2	900
ALL HOURS	.3	14.7		3.5		18.2	13.0	6.3		.0	37.6	7201

A - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.3	12.5				12.5	13.0	1.4			26.9	930
03-05	.3	12.7				12.7	25.2	1.3			39.1	930
06-08	.1	15.7		.1		15.8	31.4	4.4			51.6	930
09-11	.1	15.4				15.4	10.4	8.6			34.4	930
12-14	1.1	14.0				14.0	3.9	3.5			21.4	930
15-17	1.7	13.7			.1	13.8	1.6	3.3			18.7	930
18-20	2.5	13.8				13.8	2.9	2.3			18.9	930
21-23	1.3	12.7				12.7	4.4	2.5			19.6	930
ALL HOURS	.9	13.8		.0	.0	13.8	11.6	3.4			28.8	7440

MONTH: JUN

00-02	1.3	12.1				12.1	15.2	1.6			28.9	900
03-05	.9	14.9				14.9	30.4	1.9			47.2	900
06-08	.3	12.2				12.2	34.0	5.4			51.7	900
09-11	.4	10.3				10.3	10.7	8.9			29.9	900
12-14	1.4	11.9				11.9	3.2	6.8			21.9	900
15-17	1.9	15.0				15.0	1.2	6.1			22.3	900
18-20	2.0	12.8				12.8	2.9	6.1			21.8	900
21-23	1.7	11.4				11.4	6.8	5.6			23.8	900
ALL HOURS	1.3	12.6				12.6	13.1	5.3			30.9	7200

A - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.6	6.9				6.9	7.8	1.8			16.6	930
03-05	.4	9.6				9.6	26.8	1.1			37.4	930
06-08	.5	10.1				10.1	28.8	6.3			45.3	930
09-11	.2	7.5				7.5	7.6	10.2			25.4	930
12-14	1.0	7.8				7.8	1.0	4.6			13.4	928
15-17	1.8	7.3				7.3	1.1	2.2			10.6	927
18-20	2.7	6.5			.1	6.6	1.6	2.5			10.7	927
21-23	.9	7.1				7.1	3.7	2.3			13.1	927
ALL HOURS	1.0	7.8			.0	7.9	9.8	3.9			21.6	7429

MONTH: AUG

00-02	.5	5.7				5.7	12.8	4.8			23.3	750
03-05	.6	9.3				9.3	27.4	3.2			39.9	902
06-08	.4	7.6				7.6	38.4	9.6			55.6	930
09-11	.4	8.5				8.5	13.4	17.8			39.8	930
12-14	.3	7.8				7.8	1.9	9.3			19.0	883
15-17	.7	8.0				8.0	1.8	6.7			16.6	833
18-20	1.2	10.4				10.4	2.8	5.6			18.7	753
21-23	1.1	7.5				7.5	4.8	5.0			17.4	755
ALL HOURS	.6	8.1				8.1	13.6	8.0			29.7	6736

A - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	10.0				10.0	20.1	2.1			32.2	900
03-05	.2	10.2				10.2	31.4	.7			42.3	900
06-08	.7	12.0				12.0	45.6	3.9			61.4	900
09-11	.2	12.3				12.3	24.2	14.1			50.7	900
12-14	.6	11.9			.1	12.0	6.2	10.6			28.8	900
15-17	1.4	14.8				14.8	2.7	5.2			22.7	900
18-20	1.3	13.0				13.0	5.0	5.0			23.0	900
21-23	.1	11.4				11.4	10.2	1.7			23.3	900
ALL HOURS	.6	12.0			.0	12.0	18.2	5.4			35.6	7200

MONTH: OCT

00-02		16.2				16.2	35.3	.2			51.7	930
03-05	.2	18.3		.1		18.4	41.6				60.0	930
06-08		19.0		.2		19.2	47.0	.2			66.5	930
09-11		18.9				18.9	39.9	5.4			64.2	930
12-14		15.8				15.8	18.9	10.8			45.5	930
15-17	.2	16.7				16.7	9.1	10.1			35.9	930
18-20	.1	14.8				14.8	16.7	5.7			37.2	930
21-23	.1	16.1				16.1	23.7	1.2			41.0	930
ALL HOURS	.1	17.0		.0		17.0	29.0	4.2			50.2	7440

A - 2 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		16.2	.9	2.0		19.1	32.8	.7			52.6	900
03-05		16.6	.3	3.1		20.0	40.3	.6			60.9	900
06-08		18.3		3.6		21.9	39.6	.9			62.3	900
09-11		16.9		3.8		20.7	38.2	3.1			62.0	900
12-14		15.9		4.2		20.1	27.8	4.2			52.1	900
15-17		16.3		4.8		21.1	19.8	6.3			47.2	900
18-20	.1	17.3	.3	4.3		22.0	22.3	2.0			46.3	900
21-23	.1	18.7	1.3	2.9		22.9	26.9	.9			50.7	900
ALL HOURS	.0	17.0	.4	3.6		21.0	31.0	2.3			54.3	7200

MONTH: DEC

00-02		21.0	1.4	6.0		28.4	28.7	.5			57.6	930
03-05		25.1	.5	6.7		32.3	31.7				64.0	930
06-08		20.6	.9	6.2		27.7	35.1	.1			62.9	930
09-11	.1	19.4	.6	7.6		27.6	39.2	1.5			68.4	930
12-14		18.1	.6	8.8		27.5	32.0	3.2			62.8	930
15-17		21.3	.6	7.6		29.6	29.4	2.9			61.8	930
18-20		21.4	.5	5.4		27.3	26.1	.9			54.3	930
21-23		19.8	1.8	5.5		27.1	28.0	.6			55.7	930
ALL HOURS	.0	20.8	.9	6.7		28.4	31.3	1.2			60.9	7440

A - 2 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
HOURS: ALL

MONTH	TSIMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		20.5	1.9	11.2		33.6	28.0	2.1	.0		63.8	7440
FEB	.0	12.1	.2	12.1		24.4	21.8	11.3	.0		57.6	6768
MAR	.1	16.2	.1	5.4	.0	21.7	16.5	11.6		.0	49.8	7440
APR	.3	14.7		3.5		18.2	13.0	6.3		.0	37.6	7201
MAY	.9	13.8		.0	.0	13.8	11.6	3.4			28.8	7440
JUN	1.3	12.6				12.6	13.1	5.3			30.9	7200
JUL	1.0	7.8			.0	7.9	9.8	3.9			21.6	7429
AUG	.6	8.1				8.1	13.6	8.0			29.7	6736
SEP	.6	12.0			.0	12.0	18.2	5.4			35.6	7200
OCT	.1	17.0		.0		17.0	29.0	4.2			50.2	7440
NOV	.0	17.0	.4	3.6		21.0	31.0	2.3			54.3	7200
DEC	.0	20.8	.9	6.7		28.4	31.3	1.2			60.9	7440
ANNUAL	.4	14.5	.3	3.5	.0	18.3	19.8	5.4	.0	.0	43.4	86934

A - 2 - 7



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-5808,5812-9103  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.7	53.8	7.5	45.0	.6	77.1	74.8	45.5	1.7		97.2	1209
FEB	.8	46.2	3.4	39.8	1.1	67.1	68.5	58.6	.4		94.4	1100
MAR	1.8	53.0	.3	24.8	1.7	64.2	60.5	63.9			94.9	1209
APR	3.9	54.3	.1	15.4	2.3	59.4	52.7	53.1			85.6	1146
MAY	12.7	60.9		1.6	1.8	61.0	51.5	45.8			82.8	1183
JUN	15.6	58.6			1.4	58.6	56.3	49.2			65.1	1170
JUL	14.8	53.5			.9	53.5	55.6	50.1			84.0	1195
AUG	12.8	53.7			.3	53.7	62.5	51.0			85.8	1194
SEP	5.8	51.6		.1	.4	51.6	71.3	57.5			89.5	1129
OCT	1.4	54.2	.1	2.3	.3	54.4	79.1	56.0			93.9	1170
NOV	.5	60.2	1.6	20.6	.4	67.9	79.0	45.4	.1		95.8	1136
DEC	.4	60.3	7.5	34.5	.4	75.5	77.5	42.5	.1		96.4	1186
ANNUAL	6.0	55.1	1.7	15.3	1.0	62.0	65.7	51.5	.2		90.4	14027

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02				.1	.3	1.3	.6	.5	.2			
03-05					.3	.9	.4	.6	.2	.2		
06-08					.1	.3	.5	.4	.7			
09-11					.1	.4	.2	.4	.2			.1
12-14				.4	1.1	1.4	1.0	.3	.6			
15-17			.3	.4	1.7	1.9	1.8	.7	1.4	.2		
18-20			.4	.8	2.5	2.0	2.7	1.2	1.3	.1	.1	
21-23		.2		.4	1.3	1.7	.9	1.1	.1	.1	.1	
ALL HOURS		.0	.1	.3	.9	1.3	1.0	.6	.6	.1	.0	.0
TOTAL OBS	7440	6768	7440	7201	7440	7200	7429	6736	7200	7440	7200	7440

A - 4 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 159	160 - 249	250 - 339	NO OF OBS
TSTMS							
LIQUID PRECIP	1.2	.3	.7	2.6	68.6	26.6	1528
FREEZING PRECIP	25.9	.7	7.2	17.3	41.0	7.9	139
FROZEN PRECIP	6.5	.3	17.0	17.7	26.8	31.7	764
FOG	19.3	.1	9.1	25.8	36.4	9.4	2085
FOG WITH VIS GE 1/2 MILES	17.0	.2	9.9	28.1	35.0	9.8	1469
TOTAL OBS	580	13	545	961	2556	1403	0 6058

MONTH: FEB HOURS: ALL

TSTMS					50.0	50.0	2
LIQUID PRECIP	1.8	.1	4.6	8.2	57.1	28.1	821
FREEZING PRECIP	6.7		20.0	26.7	40.0	6.7	15
FROZEN PRECIP	6.5		40.9	13.2	18.3	21.1	749
FOG	20.6	.1	17.1	28.8	24.4	8.9	1477
FOG WITH VIS GE 1/2 MILES	17.5	.1	21.0	31.5	21.0	9.0	1140
TOTAL OBS	522	7	1217	1389	1355	827	0 5317

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 159	160 - 249	250 - 339	NO OF OBS
TSDMS	14.3				14.3	71.4	7
LIQUID PRECIP	.9	.2	6.7	6.3	63.2	22.8	1203
FREEZING PRECIP					100.0		7
FROZEN PRECIP	2.0		7.7	4.6	39.7	46.0	350
FOG	15.3	.1	24.3	19.3	23.4	17.6	1231
FOG WITH VIS GE 1/2 MILES	14.1	.1	24.9	18.8	24.2	17.9	1144
TOTAL OBS	367	29	929	908	2019	1167	0 5419

MONTH: APR HOURS: ALL

TSDMS	5.0		15.0	15.0	35.0	30.0	20
LIQUID PRECIP	2.4		17.3	8.5	40.8	31.0	1047
FREEZING PRECIP							
FROZEN PRECIP	8.9		30.0	5.3	10.5	45.3	190
FOG	15.4		35.3	14.7	15.2	19.5	935
FOG WITH VIS GE 1/2 MILES	14.5		36.2	14.1	15.7	19.5	892
TOTAL OBS	394	67	1491	854	1218	1152	0 5176

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 159	160 - 249	250 - 339	NO OF OBS
TSTMS	1.4		14.5	26.1	24.6	33.3	69
LIQUID PRECIP	4.4	.1	20.3	7.6	34.5	33.1	978
FREEZING PRECIP							
FROZEN PRECIP							
FOG	18.1		20.2	14.6	26.4	20.7	863
FOG WITH VIS GE 1/2 MILES	18.0		20.7	12.7	27.2	21.4	817
TOTAL OBS	380	52	982	819	1517	1095	0 4845

MONTH: JUN HOURS: ALL

TSTMS	6.6	1.1	15.4	13.2	28.6	35.2	91
LIQUID PRECIP	4.7		10.2	7.4	42.9	34.7	850
FREEZING PRECIP							
FROZEN PRECIP							
FOG	17.9		20.0	13.8	23.1	25.2	940
FOG WITH VIS GE 1/2 MILES	16.6		21.0	13.8	22.8	25.8	880
TOTAL OBS	482	80	969	609	1381	1625	0 5146

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 159	160 - 249	250 - 339	NO OF OBS
TSTMS	6.6	1.3	17.1	10.5	21.1	43.4	76
LIQUID PRECIP	2.6	.6	7.8	8.2	48.8	32.0	537
FREEZING PRECIP							
FROZEN PRECIP							
FOG	24.7		25.1	7.7	18.7	23.9	729
FOG WITH VIS GE 1/2 MILES	23.2		25.9	8.0	19.1	23.9	703
TOTAL OBS	516	48	1042	790	1048	1300	0 4744

MONTH: AUG HOURS: ALL

TSTMS	9.3		14.0	9.3	23.3	44.2	43
LIQUID PRECIP	4.9	.2	12.0	4.8	43.7	34.4	526
FREEZING PRECIP							
FROZEN PRECIP							
FOG	26.3		16.0	14.5	18.2	25.0	917
FOG WITH VIS GE 1/2 MILES	24.4		16.7	13.4	19.4	26.2	837
TOTAL OBS	548	65	833	620	1018	1195	0 4279

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 159	160 - 249	250 - 339	NO OF OBS
TSIMS	4.7		9.3	11.6	39.5	34.9	43
LIQUID PRECIP	4.1	.2	12.9	5.2	47.1	30.6	831
FREZZING PRECIP							
FROZEN PRECIP							
FOG	28.1		15.1	16.5	19.7	20.5	1312
FOG WITH VIS GE 1/2 MILES	24.0		16.5	16.0	22.1	21.4	1122
TOTAL OBS	710	15	649	719	1633	1372	0 5098

MONTH: OCT HOURS: ALL

TSIMS			16.7	16.7	50.0	16.7	6
LIQUID PRECIP	2.6	.2	1.9	10.2	62.2	22.9	1260
FREZZING PRECIP							
FROZEN PRECIP					66.7	33.3	3
FOG	19.1	.0	12.5	33.8	23.5	11.0	2160
FOG WITH VIS GE 1/2 MILES	16.2	.1	12.9	35.2	25.4	10.3	1763
TOTAL OBS	542	14	616	1271	2223	1102	0 5768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 159	160 - 249	250 - 339	NO OF OBS
TSTMS					50.0	50.0	2
LIQUID PRECIP	4.0	.1	1.7	6.9	59.4	28.0	1226
FREEZING PRECIP	23.1		30.8	3.8	26.9	15.4	26
FROZEN PRECIP	16.7		27.9	9.4	30.5	15.5	233
FOG	22.9		10.8	22.9	28.1	15.3	2231
FOG WITH VIS GE 1/2 MILES	16.1		13.2	23.6	29.1	18.0	1686
TOTAL OBS	745	6	578	995	2004	1222	0 5550

MONTH: DEC HOURS: ALL

TSTMS					100.0		1
LIQUID PRECIP	3.7	.2	2.2	6.7	64.2	23.0	1548
FREEZING PRECIP	19.7		7.6	18.2	43.9	10.6	66
FROZEN PRECIP	3.8	.5	13.6	17.9	26.1	38.1	425
FOG	15.6	.1	10.4	21.8	38.2	13.9	2327
FOG WITH VIS GE 1/2 MILES	11.0	.1	12.6	22.7	36.9	16.6	1716
TOTAL OBS	572	9	532	965	2634	1334	0 6046

A - 5 - 6



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 159	160 - 249	250 - 339	NO OF OBS
TSTMS	5.6	.6	14.2	14.2	27.8	37.8	360
LIQUID PRECIP	3.0	.2	7.2	6.8	55.0	27.9	12355
FREEZING PRECIP	22.1	.4	10.3	16.2	41.9	9.1	253
FROZEN PRECIP	6.6	.1	23.7	13.2	25.2	31.2	2714
FOG	20.0	.0	15.8	21.8	26.6	15.8	17207
FOG WITH VIS GE 1/2 MILES	17.0	.1	17.8	21.8	26.2	17.1	14169
TOTAL OBS	6358	405	10383	10900	20606	14794	0 63446

A - 5 - 7



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

B - 1 - 1

## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-5808,5812-9103  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	22.5	32.6	35.8	40.4	38.3	41.0	46.3	45.5	47.7	44.9	32.2	24.7	37.6
TRACE	21.0	19.2	17.8	17.0	17.3	15.9	15.8	13.6	13.2	15.1	15.7	22.5	17.0
.01	6.4	4.7	5.9	5.4	4.8	4.1	3.2	4.5	4.7	5.0	5.5	5.2	5.0
.02-.05	15.7	12.6	12.3	11.6	10.1	9.7	7.9	9.5	8.4	9.9	13.6	15.6	11.4
.06-.10	11.2	8.7	8.1	7.5	8.2	6.9	6.2	6.8	6.3	7.1	9.5	9.2	8.0
.11-.25	15.3	12.4	11.7	10.8	10.8	11.5	9.8	10.0	11.0	8.9	13.2	12.3	11.5
.26-.50	5.8	7.8	6.5	5.9	7.7	6.2	6.6	6.0	5.5	6.2	7.0	7.6	6.6
.51-1.00	2.1	1.8	1.7	1.3	2.4	4.0	3.4	3.1	2.6	2.1	2.7	2.2	2.5
1.01-2.50		.2	.2	.1	.4	.7	.7	.9	.7	.7	.4	.7	.5
2.51-5.00							.1						.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	56.5	48.2	46.4	42.6	44.4	43.1	37.9	40.8	39.1	40.0	52.1	52.8	45.3
TOTAL NO. OF OBSERVATIONS	1209	1101	1209	1140	1183	1170	1202	1195	1130	1170	1137	1209	14055

B - 2 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-5808,5812-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				.69	1.31	2.55	1.31	3.66	3.17	1.85	2.38	3.09	20.01*
53	.66	1.11	.09	2.17	1.00	3.80	5.31	1.50	1.43	.90	.55	1.77	20.29
54	1.44	.97	1.60	.93	1.26	1.75	2.99	3.21	3.31	2.07	1.71	2.56	23.80
55	2.32	3.05	1.30	.31	2.38	3.83	2.90	1.05	.66	.71	.69	2.89	22.09
56	3.06	1.09	2.15	2.23	2.61	2.79	2.58	2.74	1.95	2.10	1.36	2.07	26.73
57	1.08	5.15	3.22	.53	1.12	2.94	3.41	1.26	2.27	.80	.73	.81	23.32
58	2.90	3.82	.59	1.70	5.72	1.54	1.43	4.34				1.75	23.79*
59	2.89	.06	1.37	2.54	1.57	1.68	1.41	2.51	.05	1.36	1.92	3.51	20.87
60	2.37	1.92	1.44	.54	1.38	2.41	2.90	3.08	2.38	2.16	2.24	2.58	25.40
61	2.92	1.58	.42	2.03	1.50	4.77	3.04	1.97	2.20	3.69	3.22	3.74	31.08
62	3.20	2.84	2.78	2.26	1.94	.07	1.77	1.39	2.42	.63	1.72	2.47	23.49
63	1.19	.95	2.62	1.04	2.09	2.52	1.28	3.33	1.42	1.92	6.50	.27	25.13
64	1.23	1.10	1.56	1.81	1.32	1.94	1.90	2.07	2.43	3.18	4.19	3.24	25.97
65	5.33	.98	2.53	3.10	4.36	3.74	4.73	2.37	3.83	.82	5.21	7.39	44.39
66	2.47	3.35	2.05	* TRACE*		4.58	5.26	2.37	.86	4.25	3.68	5.23	34.10*
67	.92	2.16	2.38	1.19	2.76	2.15	2.66	2.80	3.94	4.34	2.86	3.21	31.37
68	2.97	2.54	1.53	1.05	2.31	2.60	4.40*	4.14*	3.95*	1.79*	.53	2.17	29.98*
69	1.41	2.39	2.12	2.81	1.92	2.58	1.01	3.94*	.33	.05	3.60	1.26	23.42*
70	2.61	5.38	3.57	2.23	3.29	2.25	2.91	2.42	2.41	1.98	2.41	2.06	33.52
71	2.98	1.39	1.18	1.75	3.34	3.67	1.43	1.86	.98	1.25	3.33	.65	23.81
72	1.35	1.15	1.79	2.28	3.47	1.66	4.08	3.28	1.74	.53	3.33	.57	25.23
73	1.52	2.59	.39	1.84	2.94	.94	1.77	1.50	1.63	1.81	2.07	1.58	20.58
74	1.11	.91	1.57	.78	1.47	2.47	1.50	1.00	1.65	2.74	2.49	1.60	19.29
75	1.38	.39	2.95	2.14	1.16	1.96	1.68	2.90	4.26	.30	3.64	.62	23.38
76	2.02	.80	1.09	.44	1.11	.56	2.08	.22	1.69	2.59	3.83	1.71	18.14
77	3.28	5.08	1.79	2.05	1.80	3.38	3.20	6.56	.82	1.68	2.49	2.04	34.17
78	1.58	1.50	3.52	.85	3.38	2.39	2.22	1.12	1.70	.40	.62	4.55	23.83
79	1.69	1.44	4.20	2.88	4.01	2.47	2.10	3.02	2.58	1.95	3.25	5.84	35.43
80	1.92	2.36	2.60	1.44	3.38	3.81	5.73	3.75	1.69	2.66	1.89	1.94	33.17
81	2.55	1.13	3.62	2.55	1.34	4.68	4.01	2.44	3.21	3.60	2.07	4.19	35.39
82	2.85	.59	1.86	1.25	1.83	2.50	1.04	1.70	1.41	3.52	2.32	3.14	24.01
83	2.39	2.10	2.15	3.18	5.26	1.47	.41	.40	1.38	1.11	1.92	2.05	23.82
84	3.85	3.17	1.49	1.26	4.50	2.15	2.06	1.32	5.67	3.09	2.47	1.17	32.20
85	2.81	.93	2.46	2.28	1.03	4.26	1.93	2.04	1.32	.55	2.49	1.61	23.71

B - 2 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-5808,5812-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	3.20	.14	3.61	2.56	1.57	2.01	1.62	1.18	2.33	3.12	2.01	3.36	26.71
87	1.67	2.80	2.25	1.62	1.68	3.56	3.61	2.20	3.41	4.75	3.60	.75	31.90
88	4.61	4.32	4.40	1.13	3.12	1.21	2.34	1.26	2.39	3.62	1.60	3.09	33.09
89	.74	1.62	2.01	3.70	1.60	2.46	2.53	2.18	1.59	2.60	2.07	4.71	27.81
90	2.60	3.71	1.23	1.55	1.18	3.45	1.89	3.85	3.28	2.72	2.91	3.02	31.39
91	3.56	1.02	1.83										6.41*
LEAST	.66	.06	.09	.31	1.00	.07	.41	.22	.05	.05	.53	.27	18.14
GREATEST	5.33	5.38	4.40	3.70	5.72	4.77	5.73	6.56	5.67	4.75	6.50	7.39	44.39
MEAN	2.32	2.04	2.08	1.75	2.34	2.60	2.53	2.32	2.16	2.09	2.52	2.57	27.19
MEDIAN	2.39	1.58	2.01	1.78	1.88	2.47	2.16	2.20	1.95	1.98	2.40	2.17	25.32
SD	1.054	1.395	1.026	.845	1.242	1.112	1.269	1.218	1.168	1.261	1.260	1.543	5.810
TOTAL OBS	1209	1101	1209	1140	1183	1170	1202	1195	1130	1170	1137	1209	14055

THE GREATEST VALUE OF 7.39 OCCURRED ON 12/65

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 2B



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-5808,5812-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				.24	.34	.72	.44	1.17	.54	.35	.73	.93	1.17*
53	.25	.32	.08	.50	.36	1.02	3.29	.76	.67	.43	.20	.85	3.29
54	.20	.26	.39	.57	.41	.49	.84	.63	.67	.44	.35	.58	.84
55	.58	.66	.56	.10	.49	.93	1.36	.44	.19	.27	.22	.80	1.36
56	.36	.36	.94	.51	.77	.49	.92	.37	.70	.40	.47	.44	.94
57	.25	1.07	1.02	.39	.32	1.55	1.10	.24	.33	.44	.24	.28	1.55
58	.50	.58	.27	.88	1.13	.32	.75	1.36				.30	1.36*
59	.63	.03	.35	.58	.49	.45	.64	.75	.04	.32	.59	.78	.78
60	.38	.57	.40	.10	.43	1.02	.97	.38	1.27	.38	.48	.87	1.27
61	.41	.26	.17	.27	.35	1.96	.79	.56	.67	1.36	.55	.69	1.96
62	.74	.76	.94	.52	.28	.05	.38	.51	.49	.29	.44	.49	.94
63	.45	.21	.74	.18	.71	.52	.88	.76	.40	.56	2.10	.16	2.10
64	.36	.28	.60	.45	.31	.43	1.15	.44	.88	1.05	1.37	1.07	1.37
65	.96	.19	.63	.42	1.12	.78	1.59	.60	.77	.42	.85	1.02	1.59
66	.50	.62	.33	* TRACE*		1.36	.80	.52	.25	1.34	.92	1.04	1.36*
67	.14	.54	.42	.30	.87	.86	.69	.63	1.55	.92	.78	1.23	1.55
68	.47	.43	.43	.22	.48	.73	1.71*	1.81*	.98*	.34*	.14	.38	1.81*
69	.20	.61	.56	.80	.39	.65	.46	1.03*	.19	.03	.53	.44	1.03*
70	.52	.63	.86	.42	1.01	.72	.64	.52	.98	.70	.54	.35	1.01
71	.65	.29	.30	.58	1.17	1.28	.66	.54	.35	.55	.98	.19	1.28
72	.24	.59	.47	.33	.71	.54	1.09	1.08	1.18	.11	1.48	.27	1.48
73	.35	.43	.29	.41	.40	.23	.39	.83	.74	.80	.58	.37	.83
74	.14	.29	.27	.34	.69	.79	.46	.36	.41	.66	.28	.30	.79
75	.25	.27	.76	.44	.40	.63	.43	1.11	1.37	.09	.93	.46	1.37
76	.39	.25	.36	.14	.30	.52	.66	.12	.44	.58	1.75	.28	1.75
77	.60	1.18	.41	.49	.48	.74	.86	1.75	.20	.51	.39	.38	1.75
78	.32	.36	.83	.24	.68	1.00	.43	.32	.48	.18	.26	1.18	1.18
79	.47	.31	.80	.78	.90	.74	1.10	.93	1.56	.44	.66	1.51	1.56
80	.70	.53	.42	.57	1.63	.51	.88	1.09	.33	.87	.68	.35	1.63
81	.36	.49	.51	1.57	.30	1.19	1.53	1.00	1.10	.58	.86	.63	1.57
82	.60	.19	.43	.65	.69	.85	.51	.49	.42	.56	.37	.81	.85
83	.57	.38	.38	.40	1.00	.47	.15	.28	.36	.24	.68	.36	1.00
84	.43	.64	.37	.47	.76	.64	.80	.59	1.18	.73	.62	.38	1.18
85	.58	.29	.40	.45	.24	.64	.65	.37	.69	.27	.37	.29	.69

B - 2 - 3A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-5808,5812-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	.68	.05	1.05	.50	.53	.66	.51	.43	.62	1.23	.58	.84	1.23
87	.94	.48	.38	.38	.49	.70	.60	.54	.90	1.03	.95	.28	1.03
88	.59	.63	.56	.55	.71	.45	.40	.40	.60	1.24	.74	1.34	1.34
89	.23	.41	.57	.64	.60	.77	1.39	.52	.59	.45	.91	.73	1.39
90	.83	.89	.76	.42	.47	.71	.68	1.37	1.14	1.14	.65	.57	1.37
91	.75	.24	.89										.89*

GREATEST	.96	1.18	1.05	1.57	1.63	1.96	3.29	1.81	1.56	1.36	2.10	1.51	3.29
----------	-----	------	------	------	------	------	------	------	------	------	------	------	------

TOTAL OBS	1209	1101	1209	1140	1183	1170	1202	1195	1130	1170	1137	1209	14055
-----------	------	------	------	------	------	------	------	------	------	------	------	------	-------

THE GREATEST VALUE OF 3.29 OCCURRED ON 07/03/53

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	53.7	59.3	74.8	84.3	98.2	100.0	100.0	99.9	99.9	98.0	79.5	65.4	84.5
TRACE	22.5	18.6	13.6	10.1	1.3			.1	.1	1.7	12.8	18.8	8.3
0.1-0.4	10.6	9.1	5.9	3.7	.3					.2	3.5	6.8	3.3
0.5-1.4	8.8	8.4	3.5	1.0	.3						2.7	6.4	2.6
1.5-2.4	2.8	2.3	1.3	.5							.8	1.1	.7
2.5-3.4	.9	1.2	.2	.2							.2	.7	.3
3.5-4.4	.3	.8	.5	.1							.4	.3	.2
4.5-6.4	.4	.3	.2	.1							.2	.4	.1
6.5-10.4		.1										.2	.0
10.5-15.4				.1									.0
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	23.8	22.1	11.7	5.6	.5					.2	7.7	15.8	7.3
TOTAL NO. OF OBSERVATIONS	1209	1101	1208	1140	1183	1170	1202	1195	1160	1201	1168	1209	14147

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				TRACE	.0	.0	.0	.0	.0	TRACE	.7	8.6	9.3*
53	2.5	10.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	13.2
54	5.3	3.7	2.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.3
55	5.9	14.6	9.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.1	30.9
56	4.3	7.2	.4	.6	.0	.0	.0	.0	.0	.0	1.0	2.0	15.5
57	2.7	4.9	.0	TRACE	.9	.0	.0	.0	.0	.0	.4	1.2	10.1
58	7.2	6.4	4.5	2.1	.0	.0	.0	.0	.0	.0	TRACE	3.0	23.2
59	19.4	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.7	21.3
60	8.6	5.6	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	12.0	26.6
61	6.6	3.6	.5	.0	.0	.0	.0	.0	.0	.0	5.1	TRACE	15.8
62	.5	9.3	8.5	.3	.0	.0	.0	.0	.0	TRACE	11.3	6.7	36.6
63	5.9	8.6	2.4	.1	.0	.0	.0	.0	.0	.0	.0	.9	17.9
64	6.5	2.5	1.6	.1	.0	.0	.0	.0	.0	TRACE	TRACE	14.9	25.6
65	8.1	7.5	1.2	.3	.0	.0	.0	.0	.0	.0	7.3	6.0	30.4
66	2.0	TRACE	7.0	*	.0*	.0	.0	.0	.0	.0	9.8	2.6	21.4*
67	4.5	.9	.1	.2	.1	.0	.0	.0	.0	.0	.8	10.3	16.9
68	17.2	7.1	2.5	.5	TRACE	.0	.0*	.0*	.0*	.0*	1.1	11.7	40.1*
69	1.4	20.7	1.1	4.8	TRACE	.0	.0	.0*	.0	.0	4.5	7.0	39.5*
70	10.6	15.7	17.3	2.6	.0	.0	.0	.0	.0	TRACE	.2	7.8	54.2
71	2.1	2.0	7.7	.0	.0	.0	.0	.0	.0	.0	4.2	.3	16.3
72	9.9	.8	.6	TRACE	.0	.0	.0	.0	.0	TRACE	5.1	.0	16.4
73	2.8	19.4	.5	2.6	.0	.0	.0	.0	.0	.3	5.2	7.7	38.5
74	TRACE	2.0	6.0	.0	TRACE	.0	.0	TRACE	.0	TRACE	.3	1.6	9.9
75	.5	.5	16.8	9.5	TRACE	.0	.0	.0	.0	.4	TRACE	.1	27.8
76	2.3	3.5	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.6	13.6
77	13.0	.2	TRACE	1.3	.0	.0	.0	.0	.0	.0	.3	.9	15.7
78	4.2	7.4	2.9	.3	TRACE	.0	.0	.0	.0	.0	TRACE	1.9	16.7
79	14.2	1.1	.6	3.6	1.9	.0	.0	.0	.0	.0	1.8	7.6	30.8
80	5.2	.3	TRACE	.4	.0	.0	.0	.0	.0	.0	1.5	9.5	16.9
81	13.7	4.7	3.7	19.1	.0	.0	.0	.0	.0	TRACE	4.7	17.9	63.8
82	6.2	.7	1.3	.8	.0	.0	.0	.0	.0	.0	TRACE	3.7	12.7
83	8.1	9.3	4.7	2.1	TRACE	.0	.0	.0	.0	TRACE	TRACE	.6	24.8
84	18.6	11.0	3.9	3.2	TRACE	.0	.0	.0	TRACE	.0	TRACE	2.7	39.4
85	17.9	4.6	8.4	1.9	.0	.0	.0	.0	.0	.0	11.5	1.0	45.3

B - 3 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	12.8	1.3	1.2	.7	.0	.0	.0	.0	.0	TRACE	TRACE	12.4	28.4
87	3.8	12.2	5.0	.2	TRACE	.0	.0	.0	.0	.0	5.7	TRACE	26.9
88	2.9	18.9	4.8	.4	.0	.0	.0	.0	.0	.0	3.8	TRACE	30.8
89	.0	.3	TRACE	1.1	.0	.0	.0	.0	.0	.0	.0	TRACE	1.4
90	.2	3.4	1.8	TRACE	.0	.0	.0	.0	.0	.0	1.5	13.3	20.2
91	.5	14.3	.0										14.8*
LEAST	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
GREATEST	19.4	20.7	17.3	19.1	1.9	.0	.0	TRACE	TRACE	.4	11.5	17.9	63.8
MEAN	6.6	6.3	3.3	1.6	.1	.0	.0	TRACE	TRACE	TRACE	2.2	4.8	24.2
MEDIAN	5.3	4.7	1.6	.4	.0	.0	.0	.0	.0	.0	.4	2.6	21.3
SD	5.587	5.880	4.254	3.448	.337	.000	.000	.000	.000	.080	3.281	5.005	12.998
TOTAL OBS	1209	1101	1209	1140	1183	1170	1202	1195	1160	1201	1168	1209	14147

THE GREATEST VALUE OF 20.7 OCCURRED ON 02/69

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				TRACE	.0	.0	.0	.0	.0	TRACE	.4	2.2	2.2*
53	1.0	3.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.6
54	1.9	2.0	1.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
55	2.5	2.8	5.6	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	.5	5.6
56	1.1	2.1	.3	.4	.0	.0	.0	.0	.0	.0	.6	.7	2.1
57	.8	1.8	.0	TRACE	.7	.0	.0	.0	.0	.0	.4	.6	1.8
58	3.4	1.8	2.5	1.8	.0	.0	.0	.0	.0	.0	TRACE	3.0	3.4
59	3.0	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0
60	2.5	2.0	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	8.0	8.0
61	2.4	1.2	.3	.0	.0	.0	.0	.0	.0	.0	5.0	TRACE	5.0
62	.5	3.7	3.8	.3	.0	.0	.0	.0	.0	TRACE	4.4	1.3	4.4
63	1.5	2.1	2.2	.1	.0	.0	.0	.0	.0	.0	.0	.6	2.2
64	3.0	.8	.7	.1	.0	.0	.0	.0	.0	TRACE	TRACE	6.4	6.4
65	2.1	2.5	.4	.3	.0	.0	.0	.0	.0	.0	3.7	2.8	3.7
66	.3	TRACE	1.8	*	.0*	.0	.0	.0	.0	.0	3.7	1.1	3.7*
67	1.4	.5	.1	.1	.1	.0	.0	.0	.0	.0	.8	3.7	3.7
68	4.1	4.3	2.0	.4	TRACE	.0	.0*	.0*	.0*	.0*	.5	2.8	4.3*
69	1.3	8.2	.6	2.5	TRACE	.0	.0	.0*	.0	.0	1.9	1.7	8.2*
70	4.5	3.4	5.1	1.0	.0	.0	.0	.0	.0	TRACE	.2	3.8	5.1
71	1.3	1.0	2.9	.0	.0	.0	.0	.0	.0	.0	1.4	.3	2.9
72	2.4	.7	.6	TRACE	.0	.0	.0	.0	.0	TRACE	3.0	.0	3.0
73	.7	5.4	.2	1.3	.0	.0	.0	.0	.0	.3	2.4	3.7	5.4
74	TRACE	.8	2.7	.0	TRACE	.0	.0	TRACE	.0	TRACE	.3	.9	2.7
75	.5	.4	6.2	3.8	TRACE	.0	.0	.0	.0	.3	TRACE	.1	6.2
76	.9	2.0	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.7	2.7
77	5.7	.2	TRACE	.8	.0	.0	.0	.0	.0	.0	.3	.9	5.7
78	1.3	2.8	1.0	.3	TRACE	.0	.0	.0	.0	.0	TRACE	1.6	2.8
79	4.7	.6	.4	2.3	1.2	.0	.0	.0	.0	.0	1.8	2.9	4.7
80	1.3	.2	TRACE	.3	.0	.0	.0	.0	.0	.0	.8	4.8	4.8
81	2.2	1.2	3.7	13.6	.0	.0	.0	.0	.0	TRACE	4.4	3.0	13.6
82	2.6	.7	.6	.5	.0	.0	.0	.0	.0	.0	TRACE	1.2	2.6
83	4.8	3.3	3.7	1.3	TRACE	.0	.0	.0	.0	TRACE	TRACE	.4	4.8
84	4.3	3.1	2.2	2.3	TRACE	.0	.0	.0	TRACE	.0	TRACE	.9	4.3
85	5.9	2.6	4.0	1.8	.0	.0	.0	.0	.0	.0	3.7	.7	5.9

B - 3 - 3A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	2.6	.4	.3	.5	.0	.0	.0	.0	.0	TRACE	TRACE	8.4	8.4
87	1.2	4.8	1.4	.2	TRACE	.0	.0	.0	.0	.0	4.7	TRACE	4.8
88	2.0	5.0	1.7	.4	.0	.0	.0	.0	.0	.0	2.8	TRACE	5.0
89	.0	.3	TRACE	1.1	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1
90	.2	1.9	1.5	TRACE	.0	.0	.0	.0	.0	.0	1.0	6.1	6.1
91	.5	3.6	.0										3.6*
.....													
GREATEST	5.9	8.2	6.2	13.6	1.2	.0	.0	TRACE	TRACE	.3	5.0	8.4	13.6
.....													
TOTAL OBS	1209	1101	1209	1140	1183	1170	1202	1195	1160	1201	1168	1209	14147

THE GREATEST VALUE OF 13.6 OCCURRED ON 04/27/81

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-6312, 6405-6610, 6706-9103  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	55.3	57.0	84.5	97.9	99.9	100.0	100.0	100.0	100.0	100.0	91.2	72.2	88.8
TRACE	17.1	16.3	8.8	1.5	.1						4.9	14.9	5.0
1	8.1	9.4	2.0	.3							1.4	5.2	2.1
2	5.0	6.0	2.0								1.1	3.9	1.4
3	4.2	5.1	.6								.6	1.8	1.0
4-6	8.7	3.9	1.9	.2							.7	2.0	1.4
7-12	1.2	2.3	.1	.1							.1		.3
13-24	.5												.0
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	27.6	26.7	6.7	.6							3.9	12.9	6.2
TOTAL NO. OF OBSERVATIONS	1085	988	1085	1056	1152	1170	1203	1195	1160	1170	1048	1085	13397

B - 4 - 1



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL

PERIOD OF RECORD: 5204-6312,6405-6610,6706-9

103

LST TO UTC: -01								MONTH: ALL		HOURS: ALL			
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				TRACE	0	0	0	0	0	0	TRACE	2	2*
53	1	7	0	0	0	0	0	0	0	0	0	TRACE	7
54	3	1	1	0	0	0	0	0	0	0	0	TRACE	3
55	12	10	4	0	0	0	0	0	0	0	TRACE	TRACE	12
56	2	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	1	3
57	1	2	0	0	0	0	0	0	0	0	TRACE	TRACE	2
58	6	2	3	1	0	0	0	0	0	0	0	3	6
59	8	0	0	0	0	0	0	0	0	0	0	0	8
60	5	3	0	0	0	0	0	0	0	0	0	6	6
61	4	1	TRACE	0	0	0	0	0	0	0	1	TRACE	4
62	TRACE	4	5	0	0	0	0	0	0	0	4	1	5
63	4	3	1	0	0	0	0	0	0	0	0	1	4
64					0	0	0	0	0	*	*	*	0*
65	*	*	*	*	0	0	0	0	0	0	*	*	0*
66	*	*	*	0*	0*	0	0	0	0	0			0*
67						0	0	0	0	0	*	*	0*
68	7	2	0	0	0	0	0	0*	0*	0*	TRACE	4	7*
69	4	11	0	TRACE	0	0	0	0*	0	0	3	3	11*
70	6	4	9	0	0	0	0	0	0	0	TRACE	6	9
71	5	1	3	0	0	0	0	0	0	0	1	0	5
72	4	TRACE	0	0	0	0	0	0	0	0	3	0	4
73	TRACE	6	TRACE	TRACE	0	0	0	0	0	0	2	6	6
74	TRACE	TRACE	2	0	0	0	0	0	0	0	0	1	2
75	0	0	5	4	0	0	0	0	0	0	0	TRACE	5
76	2	3	TRACE	0	0	0	0	0	0	0	0	2	3
77	6	TRACE	0	TRACE	0	0	0	0	0	0	TRACE	TRACE	6
78	1	5	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	5
79	13	3	0	TRACE	TRACE	0	0	0	0	0	TRACE	3	13
80	3	TRACE	0	0	0	0	0	0	0	0	2	5	5
81	6	1	3	8	0	0	0	0	0	0	2	4	8
82	5	TRACE	TRACE	0	0	0	0	0	0	0	0	2	5
83	2	6	1	0	0	0	0	0	0	0	TRACE	TRACE	6
84	8	4	4	TRACE	0	0	0	0	0	0	0	TRACE	8
85	6	2	6	TRACE	0	0	0	0	0	0	7	1	7

B - 4 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-6312,6405-6610,6706-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	4	2	TRACE	TRACE	0	0	0	0	0	0	0	4	4
87	2	10	2	0	0	0	0	0	0	0	4	TRACE	10
88	TRACE	3	6	0	0	0	0	0	0	0	2	0	6
89	0	TRACE	0	1	0	0	0	0	0	0	0	0	1
90	0	0	TRACE	0	0	0	0	0	0	0	TRACE	5	5
91	1	6	0										6*
.....													
GREATEST	13*	11*	9*	8*	TRACE*	0	0	0*	0*	0*	7*	6*	13*
.....													
TOTAL OBS	1085	988	1085	1056	1152	1170	1203	1195	1160	1170	1048	1085	13397

THE GREATEST VALUE OF 13 OCCURRED ON 01/13/79

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL

PERIOD OF RECORD: 5204-5206

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
51 - 52	APR 02			APR 02		

MEDIAN-DATE APR 02

APR 02

B - 5 - 1



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5205-5205,5908-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
52					NE *17								NE *17
59								ESE 25	E 28	SSW 41	S 30	W 46	W *46
60	W 38	SW 31	WNW 34	WNW 40	WSW 29	NW 29	WSW 31	NW 32	WSW 27	W 34	WSW 43	SW 53	SW 53
61	SW 42	WNW 41	WSW 30	W 26	W 31	WSW 25	W 33	WNW 34	W 33	SSW 36	WSW 36	WNW 41	SW 42
62	W 56	W 45	SW 36	ENE 35	W 35	NNW 28	WNW 32	SW 37	WNW 45	NE 25	NW 25	WNW 51	W 56
63	E 31	NE 22	SSW 38	WSW 30	WSW 28	NNE 34	SW 32	WSW 38	WNW 33	SW 27	SW 42	E 25	SW 42
64	E 23	N 29	NE 27	WSW 35	WSW 28	SW 31	W 30	SSW 38	SW 33	SW 48	WSW 41	SSW 34	SW 48
65	WSW 45	NNW 35	SSW 40	W 32	WNW 40	SW 50	WSW 36	W 34	SSW 42	WSW 32	W 49	W 56	W 56
66	W 46	W 38	W 58	*	NE *19	W 38	SSE 54	SW 26	SW 20	WSW*28	WNW 44	WSW 43	W *58
67	W 29	W 60	W 41	WSW 42	W 45	NW 48	W 29	W 43	S 30	WSW 44	SSW 37	W 37	W 60
68	W 38	S 34	W 44	W 39	W 33	W 31	27/*38	11/*38	29/*32	24/*30	09/ 32	26/ 39	W *44
69	29/ 28	24/ 36	08/*28	27/ 39	26/ 35	01/ 27	22/ 38	31/*28	06/ 20	24/ 20	25/ 42	08/ 26	25/*42
70	11/ 26	29/ 52	26/ 38	33/ 50	17/ 38	08/ 31	26/ 50	26/ 34	11/*33	27/ 37	27/ 39	32/ 36	29/*52
71	26/ 40	19/ 40	03/ 34	24/ 33	20/ 45	30/ 38	23/ 44	25/ 46	21/ 29	24/ 35	20/ 42	29/ 37	25/ 46
72	07/ 34	28/ 36	25/ 51	24/ 44	25/ 47	27/ 30	12/ 43	24/ 40	29/ 30	07/ 24	29/ 50	23/ 29	25/ 51
73	20/ 23	29/ 42	06/ 27	28/ 45	10/ 31	23/ 30	23/ 32	25/ 32	24/ 35	28/ 36	28/ 34	33/ 38	28/ 45
74	24/ 55	21/ 52	24/ 56	02/ 30	30/ 35	24/ 37	28/ 40	28/ 33	25/ 37	28/ 40	28/ 47	25/ 56	24/ 56
75	29/ 39	08/ 28	25/ 28	24/ 35	07/ 32	24/ 36	29/ 34	23/ 30	22/ 36	27/ 31	25/ 55	21/ 40	25/ 55
76	26/ 59	21/ 38	26/ 28	04/ 34	27/ 30	28/ 28	26/ 29	10/ 26	30/ 28	18/ 24	20/ 48	24/ 39	26/ 59
77	23/ 33	24/ 33	23/ 34	29/ 42	28/ 31	23/ 38	24/ 30	21/ 28	24/ 24	28/ 36	26/ 52	28/ 40	26/ 52
78	29/ 44	09/ 38	23/ 44	25/ 31	32/ 27	29/ 39	24/ 31	19/ 27	29/ 38	30/ 22	27/ 23	24/ 53	24/ 53
79	20/ 35	21/ 28	22/ 39	23/ 32	25/ 46	24/ 25	27/ 39	22/ 28	24/*25	21/ 25	22/ 45	24/ 46	25/*46
80	24/ 44	29/ 44	22/ 38	26/ 42	09/ 28	27/ 35	26/ 36	23/ 28	26/ 29	28/ 37	24/ 34	26/ 39	24/ 44
81	29/ 47	28/ 34	24/ 39	06/ 27	27/ 27	29/ 48	29/ 25	33/ 26	23/ 31	30/ 43	32/ 33	25/ 46	29/ 48
82	27/ 40	28/ 26	23/ 45	28/ 33	23/ 38	09/ 42	24/ 29	26/ 30	19/ 30	23/ 37	23/ 35	23/ 40	23/ 45
83	26/ 50	24/ 52	32/ 37	25/ 40	24/ 38	20/ 33	25/ 34	25/ 36	23/ 39	25/ 37	24/ 55	29/ 36	24/ 55
84	25/ 47	26/ 45	23/ 37	36/ 29	22/ 35	24/ 33	28/ 40	27/ 31	24/ 35	25/ 46	28/ 63	22/ 27	28/ 63
85	24/ 32	25/ 28	24/ 39	30/ 40	29/ 35	27/ 35	29/ 48	26/ 40	31/ 31	25/ 24	26/ 50	23/ 38	26/ 50
86	28/ 47	08/ 28	27/ 47	26/ 32	31/ 30	25/ 40	28/ 34	22/ 36	30/ 37	28/ 52	22/ 33	28/ 48	28/ 52
87	28/ 38	24/ 25	23/ 48	32/ 26	31/ 32	22/ 42	17/ 43	18/ 26	23/ 30	24/ 40	27/ 42	23/ 26	23/ 48
88	31/ 47	24/ 43	28/ 41	36/ 24	17/ 30	18/ 26	23/ 34	23/ 28	23/ 46	22/ 35	02/ 26	28/ 43	31/ 47
89	24/ 32	23/ 36	23/ 33	19/ 29	23/ 25	26/ 30	24/ 30	32/ 27	24/ 20	21/ 32	08/ 30	24/ 44	24/ 44
90	23/ 62	27/ 71	27/ 56	29/ 36	25/ 27	21/ 38	25/ 32	33/ 20	30/ 29	19/ 31	29/ 30	24/ 36	27/ 71

C - 2 - 1A

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5205-5205,5908-9103  
MONTH: ALL HOURS: ALL

GREATEST	23/ 62	27/ 71	W	58	33/ 50	25/ 47	SW	50	SSE	54	25/ 46	23/ 46	28/ 52	28/ 63	W	56	27/ 71
TOTAL OBS	990	904		981	899	931		927		954	975	923	966	954		985	11389

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5205-5205,5908-9103  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	.9	9.9	24.7	19.4	18.2	12.0	7.8	3.4	3.1	.5	.0	19.5	18.0	990
FEB	.4	10.0	24.7	25.0	18.3	9.7	4.8	4.0	2.3	.7	.2	19.1	17.0	904
MAR	.0	5.8	23.8	23.3	19.8	14.9	6.2	4.1	1.7	.4	.0	20.0	19.0	981
APR	.0	2.7	22.2	28.9	24.2	12.8	5.9	1.9	1.2	.1	.0	19.6	19.0	899
MAY	.0	3.2	23.0	31.6	24.2	12.5	3.9	1.2	.5	.0	.0	18.9	18.0	931
JUN	.0	4.1	25.9	29.8	23.7	10.4	4.0	1.5	.5	.1	.0	18.5	18.0	927
JUL	.0	4.3	30.0	32.4	18.0	9.2	3.9	1.3	.7	.2	.0	18.0	17.0	954
AUG	.1	7.1	29.5	30.7	20.0	9.0	2.3	.9	.4	.0	.0	17.3	16.0	975
SEP	.0	13.9	31.1	25.0	15.8	8.8	3.7	1.4	.3	.0	.0	16.6	16.0	923
OCT	.0	15.1	28.4	25.6	16.6	6.7	4.9	1.4	1.2	.1	.0	16.8	16.0	966
NOV	.6	14.6	22.1	21.4	18.2	11.6	5.3	2.7	2.6	.7	.0	18.8	17.0	954
DEC	.3	12.4	21.5	23.7	17.8	11.0	6.7	3.7	2.5	.5	.0	19.2	18.0	985
ANNUAL	.2	8.6	25.6	26.3	19.5	10.7	5.0	2.3	1.5	.3	.0	18.5	17.0	11389

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.1	.3									2.5	5.5	6.0
020-040	1.8	.4	.6									2.9	4.7	3.0
050-070	3.1	3.4	1.9	.6								9.1	7.4	7.0
(E) 080-100	3.1	5.2	.6	.2	.1							9.2	6.1	6.0
110-130	1.2	1.3										2.5	4.4	5.0
140-160	.9	.9										1.7	4.6	4.5
(S) 170-190	.9	1.5	2.0	.1	.1							4.6	8.7	9.0
200-220	2.5	5.4	6.1	3.3	.5							17.8	10.4	10.0
230-250	1.9	6.3	9.6	4.0	1.1	.5						23.4	11.2	11.0
(W) 260-280	1.5	3.4	3.1	1.6	.6							10.3	10.3	10.0
290-310	1.2	1.0	.6	.2	.1							3.1	7.3	5.0
320-340	.9	1.0	.3									2.2	5.7	6.5
VARIABLE		.1	.1	.1								.3	13.0	14.0
CALM	////////////////////////////////////											10.2	////////////////////////////////	
TOTALS	20.1	31.0	25.2	10.1	2.5	.5						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

C - 4 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.6										1.1	4.7	5.0
020-040	1.7	.9	1.1	.1								3.8	6.3	5.0
050-070	3.3	4.0	2.5	.2								10.0	6.7	6.0
(E) 080-100	4.0	3.9	.8	.2	.3							9.1	6.0	5.0
110-130	1.6	1.1										2.7	3.9	4.0
140-160	1.1	.8	.1									1.9	4.7	4.0
(S) 170-190	1.1	1.3	1.6	.4								4.4	8.5	9.0
200-220	3.0	5.7	7.4	2.3	.8	.2						19.4	10.1	10.0
230-250	2.9	6.7	8.1	4.1	1.2	.4						23.3	10.9	10.0
(W) 260-280	1.3	3.7	2.5	1.8	.3							9.6	9.9	9.0
290-310	.9	1.0	.5	.2								2.6	6.7	5.5
320-340	.9	.8	.4	.3	.1							2.5	7.6	7.0
VARIABLE	.2	.1	.2	.1								.6	8.2	9.0
CALM	////////////////////////////////////											9.0	////////////////////////////////	
TOTALS	22.4	30.6	25.2	9.7	2.7	.6						100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM BOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4	.3									1.8	5.1	3.0
020-040	1.4	1.1	.8	.2								3.4	6.6	5.5
050-070	2.5	4.4	2.4	.3								9.6	7.3	7.0
(E) 080-100	2.9	4.4	1.6	.1	.3							9.4	6.8	6.0
110-130	1.5											1.5	2.6	3.0
140-160	.8	.9	.1									1.7	5.1	5.5
(S) 170-190	1.3	1.1	1.6	.5	.1							4.6	9.3	9.0
200-220	3.3	6.0	6.5	2.9	.5	.2						19.5	9.9	10.0
230-250	3.4	6.3	8.7	3.7	1.0	.4						23.5	10.8	10.0
(W) 260-280	1.6	2.6	3.7	1.0	.3	.1						9.2	10.0	10.0
290-310	1.0	1.4	.3	.2								2.9	6.9	6.0
320-340	.9	.6	.4									1.9	6.4	6.5
VARIABLE		.1	.3									.4	9.5	10.5
CALM	////////////////////////////////////											10.4	////////	
TOTALS	21.7	29.3	26.7	8.9	2.2	.7						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.8	.2									1.5	6.9	8.0
020-040	.5	1.0	.5	.1								2.2	7.3	6.0
050-070	2.5	4.2	1.4	.8	.1							8.9	7.4	7.0
(E) 080-100	3.5	5.6	1.5	.8	.4							11.8	7.4	7.0
110-130	1.0	.4										1.4	3.1	2.0
140-160	1.3	.4	.3									2.0	4.5	4.0
(S) 170-190	1.5	1.6	1.5	.3	.4							5.4	8.8	8.0
200-220	1.6	5.5	6.8	4.2	1.3							19.4	11.4	12.0
230-250	2.2	6.0	10.1	2.7	1.5	.1	.1					22.7	11.2	11.0
(W) 260-280	1.6	2.9	3.8	2.0	.3							10.6	10.4	11.0
290-310	1.6	.8	.6									3.0	6.0	4.0
320-340	.9	.9	.1									1.8	5.2	5.0
VARIABLE														
CALM	////////////////////											9.2	////////	
TOTALS	18.7	30.1	26.8	10.9	4.0	.1	.1					100.0	8.5	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.8	.2	.1								1.2	8.5	8.0
020-040	.3	.9	1.1	.1								2.4	8.7	9.0
050-070	1.9	4.0	2.6	.9	.1							9.5	8.2	7.0
(E) 080-100	2.4	4.2	1.6	.9	.2	.1						9.4	8.0	7.0
110-130	1.5	.4	.1									2.0	3.9	3.0
140-160	1.6	.9	.2	.3								3.0	5.8	3.5
(S) 170-190	1.4	1.2	1.4	1.0	.1							5.1	8.8	9.0
200-220	1.7	5.8	6.3	3.4	1.0							18.3	10.9	10.0
230-250	2.8	6.8	9.9	4.0	1.3	.4	.1					25.3	11.3	11.0
(W) 260-280	1.5	2.8	5.3	1.4	.8	.1						11.8	10.5	11.0
290-310	1.2	1.9	1.0	.2								4.3	7.4	6.5
320-340	.8	1.0	.2	.1								2.0	7.1	7.0
VARIABLE			.1									.1	13.0	13.0
CALM	////////////////////////////////////											5.7	////////	
TOTALS	17.2	30.7	30.0	12.4	3.5	.6	.1					100.0	9.1	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.2	.5									2.2	6.4	6.0
020-040	.9	1.2	1.1									3.1	7.3	8.0
050-070	2.2	3.2	1.9	.9	.2	.1						8.5	8.3	7.0
(E) 080-100	2.0	4.2	1.2	.9								8.3	7.7	7.0
110-130	1.9	.6	.1									2.7	3.3	2.0
140-160	1.4	.3	.2	.1	.1							2.2	5.8	3.0
(S) 170-190	2.0	1.9	1.9	.1	.2							6.2	7.7	7.0
200-220	2.9	5.4	5.2	4.7	1.4	.2						19.8	11.0	11.0
230-250	2.9	6.6	9.0	3.2	1.0							22.7	10.3	10.0
(W) 260-280	1.6	2.9	4.6	1.8	.8		.1					11.8	11.0	11.0
290-310	1.3	1.2	1.2	.4	.2	.2						4.5	9.3	8.0
320-340	.4	1.0	.6									2.0	7.7	8.0
VARIABLE	.1	.3		.1								.5	8.0	7.0
CALM	////////////////////////////////////											5.5	////////	
TOTALS	20.0	30.0	27.5	12.2	3.9	.5	.1					100.0	8.8	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.0	.9	.1									1.9	4.9	4.5
020-040	1.4	.9	.4									2.7	6.0	4.0
050-070	2.4	4.4	2.0	.4	.1							9.4	7.3	6.0
(E) 080-100	2.4	4.6	1.8	.1	.1							9.0	7.1	7.0
110-130	1.9	.4										2.4	3.1	3.0
140-160	1.1	.9	.1									2.0	5.2	4.0
(S) 170-190	2.4	2.3	2.3	.2								7.1	7.3	6.5
200-220	2.7	5.3	6.1	3.3	1.1	.2						18.7	10.8	10.0
230-250	3.3	6.8	8.3	3.1	.8	.3						22.6	10.2	10.0
(W) 260-280	1.0	3.5	4.2	1.6	.5	.2						11.1	11.0	11.0
290-310	1.0	1.4	.9	.4		.4						4.1	9.6	8.0
320-340	1.1	.4	.3									1.8	5.2	4.0
VARIABLE	.2										.2	7.5	7.5	
CALM	////////////////////////////////////										7.0	////////		
TOTALS	21.7	32.0	26.5	9.1	2.6	1.1						100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.8	.4	.5									1.7	5.9	5.5
020-040	.8	.5	.3									1.6	5.2	5.0
050-070	3.3	4.1	3.0	.5								11.0	7.3	7.0
(E) 080-100	3.0	4.7	1.4	.2								9.4	6.2	6.0
110-130	1.7	.6										2.4	3.3	3.5
140-160	.5	.6	.1									1.3	5.7	5.5
(S) 170-190	1.6	2.2	1.3	.4	.1							5.6	8.1	8.0
200-220	2.7	5.7	6.3	3.4	1.1	.1						19.4	10.7	11.0
230-250	2.2	6.1	7.2	4.9	1.1	.4						21.9	11.4	11.0
(W) 260-280	1.1	4.2	3.2	1.2	.8	.2						10.6	10.5	10.0
290-310	.5	1.9	.5	.2	.1	.1						3.4	8.2	6.0
320-340	.2	.3	.6									1.2	8.6	10.0
VARIABLE		.1	.1	.1								.3	10.7	10.0
CALM	////////////////////////////////////											10.2	////////////////////////////////	
TOTALS	18.4	31.4	24.5	10.9	3.2	.8						100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	.8	.3	.0								1.7	5.9	6.0
020-040	1.1	.8	.7	.1								2.8	6.5	6.0
050-070	2.6	4.0	2.2	.6	.1	.0						9.5	7.5	7.0
(E) 080-100	2.9	4.6	1.3	.4	.2	.0						9.4	6.9	6.0
110-130	1.5	.6	.0									2.2	3.5	3.0
140-160	1.1	.7	.1	.1	.0							2.0	5.2	4.0
(S) 170-190	1.5	1.6	1.7	.4	.1							5.4	8.3	8.0
200-220	2.6	5.6	6.3	3.5	1.0	.1						19.0	10.6	10.0
230-250	2.7	6.5	8.9	3.7	1.1	.3	.0					23.2	10.9	11.0
(W) 260-280	1.4	3.3	3.8	1.6	.6	.1	.0					10.6	10.5	10.0
290-310	1.1	1.3	.7	.2	.1	.1						3.5	7.9	6.0
320-340	.7	.7	.4	.1	.0							1.9	6.6	7.0
VARIABLE	.0	.1	.1	.1								.3	9.4	9.5
CALM	////////////////////////////////////											8.4	////////////////////////////////	
TOTALS	19.9	30.6	26.5	10.8	3.2	.6						100.0	8.4	9.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.3	.2									.9	6.0	6.0
020-040	.9	.4	.5	.1								1.8	6.3	5.0
050-070	2.8	4.3	2.0	.1								9.2	6.6	6.0
(E) 080-100	2.8	3.6	.6	.1								7.0	5.6	6.0
110-130	1.4	.7	.0									2.1	3.7	3.0
140-160	.9	.6	.1	.1								1.6	5.0	4.0
(S) 170-190	1.5	1.5	1.6	.4	.2							5.2	8.6	8.0
200-220	2.8	6.8	8.7	4.7	1.5	.2						24.5	11.2	11.0
230-250	2.4	7.9	10.7	4.9	2.0	.7	.1					28.7	11.7	11.0
(W) 260-280	1.3	2.4	2.3	1.0	.2	.1	.0					7.2	9.8	9.0
290-310	.7	.6	.3	.2	.1	.1						2.1	9.0	6.0
320-340	.3	.2	.3									.9	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											8.8	////////////////////////////////	
TOTALS	18.2	29.3	27.3	11.6	4.0	1.1	.1					100.0	8.8	9.0

TOTAL NUMBER OF OBSERVATIONS 3016

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.0	.5									4.8	5.1	5.0
020-040	2.4	2.1	.9									5.4	6.0	5.0
050-070	5.7	9.6	5.1	.9	.2							21.5	7.5	7.0
(E) 080-100	4.3	4.7	3.3	.8	.2							13.4	7.7	6.0
110-130	.8	.4										1.2	3.2	2.5
140-160	1.3	.8			.1							2.2	4.8	4.0
(S) 170-190	1.1	1.7	.9	.5	.5							4.6	9.3	8.0
200-220	1.1	4.4	3.7	1.1	1.2							11.3	10.6	10.0
230-250	1.7	2.0	4.3	1.9	1.1							10.9	11.5	12.0
(W) 260-280	2.1	2.2	2.4	.5	.5	.4						8.0	9.3	8.0
290-310	1.5	.6	.8									3.0	6.2	4.0
320-340	1.5	.8	.1	.2								2.7	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											10.9	////////	
TOTALS	25.9	31.3	22.0	5.9	3.8	.4						100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.7	.7	.2								4.0	6.5	6.0
020-040	2.4	2.2	1.2									5.8	6.1	5.0
050-070	5.9	10.0	6.1	1.2	.1							23.4	7.6	7.0
(E) 080-100	3.4	5.4	3.3	.4								12.5	7.3	7.0
110-130	1.8	.4										2.1	3.1	2.5
140-160	1.1	.5	.1									1.7	4.3	4.0
(S) 170-190	1.9	2.1	1.2	.2	.1							5.6	7.0	5.0
200-220	1.2	2.7	2.6	1.1	1.3	.2						9.1	11.4	10.0
230-250	1.8	4.1	3.8	2.2	1.5	.1						13.6	11.1	10.0
(W) 260-280	.8	2.0	1.8	.5	.4	.5	.1					6.0	11.3	10.0
290-310	1.3	.6	.6	.1		.1						2.7	7.3	6.0
320-340	1.3	1.1	.5	.1	.1							3.1	6.5	6.0
VARIABLE														
CALM	////////////////////											10.4	////////	
TOTALS	24.3	32.8	21.9	6.0	3.5	.9	.1					100.0	7.5	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.3	.6	.2								4.1	6.0	5.0
020-040	1.7	3.1	.8									5.6	6.4	6.0
050-070	4.8	10.5	5.8	.9	.1							22.2	7.8	7.5
(E) 080-100	3.9	6.3	2.1	.5								12.8	7.0	6.0
110-130	.8	.1										.9	2.5	2.0
140-160	.7	1.3		.1								2.1	6.1	6.5
(S) 170-190	.6	.7	1.2									2.5	8.0	7.0
200-220	1.9	4.5	4.3	1.3	.5	.1						12.5	9.6	9.0
230-250	1.4	3.2	3.4	1.8	1.5	.2	.1					11.7	11.7	11.0
(W) 260-280	1.3	2.0	2.4	.8	.2	.1						6.9	9.9	10.0
290-310	1.2	.9	.5	.1								2.7	6.1	5.0
320-340	.8	.7	.5	.4								2.4	7.8	6.5
VARIABLE					.1							.1	20.0	20.0
CALM	////////////////////////////////////											13.5	////////	
TOTALS	21.1	34.6	21.6	6.1	2.4	.4	.1					100.0	7.2	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.2	.7	.2								3.2	7.0	6.0
020-040	.9	2.4	1.1	.1								4.5	7.5	7.0
050-070	3.5	8.5	5.8	1.3								19.1	8.3	8.0
(E) 080-100	3.2	6.7	5.2	1.8	.1							17.0	8.6	8.0
110-130	.8	.6										1.4	4.1	4.0
140-160	1.2	.5	.4									2.0	5.4	4.0
(S) 170-190	.8	.8	1.2	.2	.2							3.3	9.6	9.5
200-220	.8	3.8	5.4	.5	.2							10.8	9.7	10.0
230-250	1.2	2.8	3.9	3.1	1.3	.5	.4					13.1	13.2	12.0
(W) 260-280	.9	2.5	1.8	1.1	.5							6.7	9.8	9.0
290-310	1.4	.7	.8	.4		.1	.1					3.5	8.1	5.5
320-340	2.0	1.4	.8	.1								4.4	5.9	5.0
VARIABLE		.1		.1								.2	12.0	12.0
CALM	////////////////////////////////////											10.6	////////	
TOTALS	17.8	32.0	27.1	8.9	2.3	.6	.5					100.0	8.1	9.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.7	.6	.2								3.3	7.9	8.0
020-040	.9	1.9	1.4	.2								4.5	8.0	8.0
050-070	1.8	7.7	7.3	1.2								18.0	9.1	9.0
(E) 080-100	3.0	6.9	5.2	1.7	.2							16.9	8.9	9.0
110-130	.7	.4										1.1	3.7	3.0
140-160	.2	.8	.4									1.4	6.9	6.0
(S) 170-190	1.3	1.9	.8	.8	.1							5.0	8.7	8.0
200-220	1.9	3.1	3.2	1.7	.4							10.2	9.7	10.0
230-250	1.5	3.3	6.0	2.8	.9	.2	.2					15.1	11.9	12.0
(W) 260-280	1.7	1.4	2.4	.9	.9	.1						7.4	11.0	12.0
290-310	1.2	1.4	1.7	.4	.6	.1						5.3	10.1	10.0
320-340	1.4	1.7	.7	.1		.1						4.0	6.7	5.5
VARIABLE		.2	.2	.1								.6	10.6	10.0
CALM	////////////////////////////////////											7.2	////////////////////////////////	
TOTALS	16.4	32.4	29.9	10.1	3.1	.5	.2					100.0	8.8	9.0

TOTAL NUMBER OF OBSERVATIONS 846



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.7	.2	.2								3.8	6.3	5.5
020-040	1.7	2.8	2.4									6.9	7.5	8.0
050-070	1.7	9.5	5.2	.8								17.1	8.5	8.0
(E) 080-100	2.5	6.5	4.5	2.1								15.6	9.0	8.0
110-130	.7											.7	2.8	2.5
140-160	.8	.5	.5	.1	.2							2.1	8.4	6.0
(S) 170-190	1.7	3.1	1.3	.4								6.4	7.2	6.0
200-220	2.7	4.1	2.8	1.8	.2		.1					11.8	9.2	9.0
230-250	2.4	3.7	5.4	2.6	.5	.1						14.7	10.4	10.0
(W) 260-280	.6	2.2	2.4	1.7	.9	.1						7.9	12.1	12.0
290-310	.5	2.6	1.9	.6	.1							5.7	9.3	9.0
320-340	.7	.4	.2	.1	.4							1.8	9.4	6.0
VARIABLE		.1	.1									.2	10.5	10.5
CALM	////////////////////////////////////											5.3	////////	
TOTALS	17.7	37.2	26.9	10.4	2.3	.2	.1					100.0	8.6	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.8	.1									4.4	4.3	4.0
020-040	1.8	4.1	1.1									7.0	6.7	7.0
050-070	3.4	9.0	4.1	.6								17.1	7.7	7.0
(E) 080-100	4.1	7.2	3.7	.9								16.0	7.7	7.0
110-130	.9	.7										1.7	4.2	4.0
140-160	1.8	1.5	.6	.1								4.0	5.9	5.0
(S) 170-190	2.8	2.6	.8	.6	.1							7.0	6.9	6.0
200-220	2.4	4.4	3.1	.7	.2			.1	.1			11.0	8.9	8.0
230-250	1.1	2.5	5.1	1.9	.7	.2	.1					11.6	12.1	12.0
(W) 260-280	1.2	3.2	2.1	1.2	.6	.4						8.6	10.5	9.0
290-310	1.8	1.2	.9	.2								4.1	6.4	5.0
320-340	.6	1.2	.1		.2							2.1	7.1	5.0
VARIABLE		.1										.1	8.0	8.0
CALM	////////////////////////////////////											5.3	////////	
TOTALS	24.4	39.5	21.7	6.2	1.8	.6	.1	.1	.1			100.0	7.7	7.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.3	.2									4.1	4.1	4.0
020-040	1.2	3.4	.9									5.6	7.1	8.0
050-070	5.0	10.0	5.1	.2	.1							20.4	7.3	7.0
(E) 080-100	4.6	5.2	3.7	.9								14.4	7.5	7.0
110-130	1.8	.6	.1									2.5	4.2	4.0
140-160	1.4	1.5	.1									3.1	5.3	5.0
(S) 170-190	2.1	1.8	1.2	.2	.2	.1						5.7	7.9	6.5
200-220	2.1	4.4	3.9	2.0	.1							12.5	9.3	9.0
230-250	1.7	3.0	4.5	1.8	.9	.2	.1	.1				12.3	11.6	11.0
(W) 260-280	1.1	3.7	2.0	.5	.8	.1						8.2	9.9	8.0
290-310	1.3	.2	.7	.2								2.5	6.6	4.0
320-340	1.9	.6	.4	.1								3.0	5.2	3.0
VARIABLE														
CALM	////////////////////////////////////											5.8	////////	
TOTALS	26.8	35.7	22.8	5.9	2.1	.4	.1	.1				100.0	7.6	7.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.8	1.6	.5	.1								4.0	5.8	5.0
020-040	1.6	2.8	1.2	.0								5.6	6.9	7.0
050-070	4.0	9.4	5.6	.9	.1							19.9	7.9	8.0
(E) 080-100	3.6	6.1	3.9	1.1	.1							14.8	8.0	8.0
110-130	1.0	.4	.0									1.4	3.6	3.0
140-160	1.1	.9	.3	.0	.0							2.3	5.9	5.0
(S) 170-190	1.5	1.8	1.1	.4	.2	.0						5.0	7.9	7.0
200-220	1.8	3.9	3.6	1.3	.5	.0	.0	.0	.0			11.2	9.8	9.0
230-250	1.6	3.1	4.6	2.3	1.1	.2	.1	.0				12.9	11.7	11.0
(W) 260-280	1.2	2.4	2.1	.9	.6	.2	.0					7.5	10.5	10.0
290-310	1.3	1.0	1.0	.3	.1	.0	.0					3.7	7.9	7.0
320-340	1.3	1.0	.4	.1	.1	.0						2.9	6.5	5.0
VARIABLE		.1	.0	.0	.0							.2	11.5	10.0
CALM	////////////////////////////////////											8.6	////////////////////////////////	
TOTALS	21.8	34.5	24.3	7.4	2.8	.4	.1					100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.5	.4	.2								4.6	5.2	4.0
020-040	1.7	3.2	1.0	.1								6.0	6.6	6.0
050-070	2.5	7.0	3.4	.3	.2							13.4	7.7	7.0
(E) 080-100	3.0	5.6	1.8	.3								10.8	6.7	6.0
110-130	.7	.3										1.0	3.6	3.5
140-160	.9	1.0	.3	.1								2.3	6.0	5.0
(S) 170-190	1.3	1.7	1.2	.3	.3							4.8	8.4	7.0
200-220	1.9	4.6	5.6	1.8	.7							14.6	10.1	10.0
230-250	1.6	3.9	7.3	4.3	1.8	.4	.2					19.5	12.6	12.0
(W) 260-280	.9	2.9	1.8	.8	.4	.5						7.2	10.8	9.0
290-310	1.3	.7	.4	.2			.1					2.6	6.7	4.5
320-340	1.4	.6	.4	.1	.3							2.8	7.2	4.0
VARIABLE														
CALM	////////////////////											10.5	////////	
TOTALS	19.7	33.0	23.6	8.5	3.7	.9	.3					100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 1840

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.4	.3	.1								4.2	4.8	4.0
020-040	3.3	1.4	.5									5.3	4.5	4.0
050-070	5.8	4.5	1.1									11.4	5.1	4.0
(E) 080-100	4.0	6.3	1.5	.4								12.3	6.4	6.0
110-130	1.1	.4	.1									1.6	4.3	3.0
140-160	1.1	1.1	.1									2.3	4.6	5.0
(S) 170-190	.9	1.9	2.2	.1	.2							5.3	9.0	9.0
200-220	.6	5.8	5.5	1.2	.1	.2						13.4	10.0	10.0
230-250	2.4	7.4	6.2	2.7	.5	.1						19.4	10.1	9.0
(W) 260-280	2.3	4.9	2.3	.9	.1		.1	.1	.1			10.8	8.7	7.0
290-310	1.1	1.1	1.0	.2								3.3	7.1	6.0
320-340	1.2	.4	.4	.1								2.2	5.9	3.5
VARIABLE			.1									.1	11.0	11.0
CALM	////////////////////////////////////											8.6	////////	
TOTALS	26.2	36.6	21.3	5.7	.9	.3	.1	.1	.1			100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.6	.5									5.6	4.6	4.0
020-040	2.9	1.7	.1									4.7	4.3	4.0
050-070	5.5	5.8	1.1									12.4	5.3	5.0
(E) 080-100	3.2	3.3	1.2	.6								8.4	6.6	6.0
110-130	.2	.4	.2									.9	6.6	7.5
140-160	.8	1.1	.2									2.0	5.6	5.0
(S) 170-190	.8	2.7	1.0	.2	.4							5.1	8.9	7.0
200-220	1.8	6.1	6.9	1.2	.5							16.6	9.9	10.0
230-250	1.4	7.3	7.7	2.4	.3							19.1	10.0	10.0
(W) 260-280	2.4	3.2	1.8	.3	.1	.2						8.1	7.7	6.0
290-310	1.7	1.4	.8		.1	.2						4.2	7.2	5.0
320-340	1.0	.4	.3									1.7	5.1	4.0
VARIABLE	.4											.4	13.0	13.0
CALM	////////////////////////////////////											10.9	////////	
TOTALS	25.1	35.0	22.2	4.7	1.4	.4						100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	2.0	.1									4.8	4.6	4.0
020-040	2.5	1.7	.2									4.4	4.9	4.0
050-070	4.3	6.0	1.6	.1								12.0	6.0	5.5
(E) 080-100	4.2	4.3	1.3	.1								9.9	5.8	5.0
110-130	.6	.4										1.1	4.0	3.0
140-160	.8	1.1										1.8	5.2	5.0
(S) 170-190	1.0	2.2	.9	.4	.2	.1						4.7	8.4	8.0
200-220	1.7	5.6	6.7	2.2	1.0							17.1	10.6	10.0
230-250	1.8	6.1	6.6	2.0	.3	.2						17.1	10.1	10.0
(W) 260-280	3.5	2.8	2.2	.4	.5	.1						9.6	8.0	7.0
290-310	2.2	1.1	.8	.2								4.2	5.6	4.0
320-340	1.5	.6	.2	.1	.1							2.6	5.5	3.5
VARIABLE				.1	.1							.2	20.0	20.0
CALM	////////////////////////////////////											10.4	////////	
TOTALS	26.8	33.9	20.6	5.6	2.2	.4						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.6	.6									1.9	6.8	6.5
020-040	1.2	.8	.5									2.5	6.2	5.0
050-070	3.0	6.2	2.9	.3								12.5	7.1	7.0
(E) 080-100	2.8	4.8	2.3	.2	.1							10.2	7.1	6.0
110-130	1.5	.6	.1									2.3	4.3	3.0
140-160	1.5	1.3	.1	.1								3.0	5.1	4.5
(S) 170-190	1.1	1.5	1.3	.5	.1							4.5	8.7	8.0
200-220	2.2	3.2	6.3	2.9	1.2	.3						16.1	11.7	11.5
230-250	1.4	6.3	6.3	4.4	1.2							19.7	11.3	10.0
(W) 260-280	1.9	2.5	4.9	1.6	.3							11.3	10.1	10.0
290-310	1.5	1.5	.9									3.9	6.0	6.0
320-340	2.4	1.7	1.1	.2	.1							5.5	6.5	5.0
VARIABLE		.1	.6		.1	.1						1.0	14.3	14.0
CALM	////////////////////////////////////											5.7	////////	
TOTALS	21.1	31.1	27.9	10.2	3.1	.4						100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.5	.6	.8									1.9	6.9	8.5
020-040	.9	.2	1.2	.3								2.6	8.6	10.0
050-070	2.3	4.8	2.7	.4		.1						10.3	7.8	8.0
(E) 080-100	2.3	3.5	1.7	.3		.2						8.1	7.7	7.0
110-130	.5	.9										1.4	4.9	5.0
140-160	1.2	1.2	.3	.1								2.8	5.7	5.0
(S) 170-190	1.4	2.6	2.3	.8								7.0	8.5	8.0
200-220	1.7	3.8	5.9	2.9	1.8	.3						16.5	12.1	12.0
230-250	1.5	4.7	8.3	4.5	1.2	.3	.1					20.6	12.0	12.0
(W) 260-280	1.4	3.2	6.0	1.6	1.3	.1						13.7	11.2	11.0
290-310	.9	2.3	1.4	.1								4.6	7.6	7.0
320-340	1.3	2.3	1.8	.4	.1							5.9	8.3	8.0
VARIABLE	.1	1.3	1.0	.1								2.5	9.1	8.0
CALM	////////////////////////////////////											2.2	////////	
TOTALS	16.0	31.4	33.4	11.5	4.4	1.0	.1					100.0	9.7	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.4	1.4	1.2	.1								4.1	7.0	6.5
020-040	1.1	1.3	1.2	.1								3.7	7.5	8.0
050-070	2.0	4.4	2.0	.2								8.7	7.2	7.0
(E) 080-100	2.3	3.7	2.9		.1							8.9	7.7	8.0
110-130	.5	.4	.1									1.1	5.7	4.5
140-160	1.1	.4	.4	.1								2.0	6.3	4.0
(S) 170-190	1.5	2.9	2.7	1.1								8.2	8.8	8.5
200-220	1.2	4.7	5.1	1.7	1.4	.4						14.5	11.5	11.0
230-250	1.7	5.4	8.3	4.3	.8	.1						20.5	11.3	11.0
(W) 260-280	.9	3.7	4.7	1.8	.3	.1						11.5	10.8	10.0
290-310	.8	2.9	2.3	.3	.1	.1						6.5	9.1	8.0
320-340	1.4	2.4	2.2	.6								6.6	8.4	8.0
VARIABLE	.1	.8	.9									1.7	9.1	9.5
CALM	////////////////////////////////////											2.0	////////	
TOTALS	16.0	34.4	34.0	10.3	2.7	.7						100.0	9.3	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.8	.4									4.9	5.6	5.5
020-040	1.5	2.9	.9									5.3	6.7	6.0
050-070	3.1	4.6	.5	.1	.2							8.6	5.9	5.0
(E) 080-100	4.9	5.4	1.1									11.4	5.5	5.0
110-130	2.0	.4										2.5	3.6	4.0
140-160	1.1	1.1	.4									2.6	5.5	5.0
(S) 170-190	3.1	3.5	1.8	.5	.1							9.1	7.3	7.0
200-220	2.2	5.6	3.9	1.4	.4	.2						13.7	9.5	8.0
230-250	1.1	7.6	7.3	2.2	.3	.3	.2					19.0	10.7	10.0
(W) 260-280	1.7	4.6	2.8	1.1	.1	.1						10.4	8.8	8.0
290-310	1.0	2.5	1.3	.4								5.2	8.3	8.0
320-340	1.1	1.9	.3									3.3	6.0	6.0
VARIABLE			.3									.3	11.3	12.0
CALM	////////////////////////////////////											3.7	////////////////////////////////	
TOTALS	24.5	42.9	21.0	5.7	1.1	.6	.2					100.0	7.6	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	2.2	.5									5.3	4.9	5.0
020-040	2.5	1.9	1.2									5.6	5.8	5.0
050-070	5.1	4.3	1.0									10.3	5.3	5.0
(E) 080-100	5.4	7.5	1.0	.1								14.0	5.5	5.0
110-130	1.3	.8										2.0	3.9	4.0
140-160	1.6	1.6	.3									3.5	5.4	5.0
(S) 170-190	1.2	2.8	1.9	.3	.2							6.5	8.1	7.0
200-220	1.3	6.1	5.3	1.2	.9	.3						15.1	10.4	10.0
230-250	1.9	7.1	4.4	2.0	.9	.2						16.6	9.9	9.0
(W) 260-280	2.3	4.3	1.8	1.3	.3							10.0	8.3	7.0
290-310	.6	1.9	.5	.2								3.3	7.5	7.0
320-340	1.6	.9	.4									2.9	5.2	4.0
VARIABLE	.1											.1	18.0	18.0
CALM	////////////////////////////////////											4.8	////////////////////////////////	
TOTALS	27.4	41.4	18.3	5.2	2.3	.5						100.0	7.2	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.9	1.6	.6	.0								4.1	5.4	5.0
020-040	2.0	1.5	.7	.1								4.2	5.8	5.0
050-070	3.9	5.1	1.6	.1	.0	.0						10.8	6.2	6.0
(E) 080-100	3.6	4.9	1.6	.2	.0	.0						10.4	6.4	6.0
110-130	1.0	.6	.1									1.6	4.4	4.0
140-160	1.1	1.1	.2	.0								2.5	5.4	5.0
(S) 170-190	1.4	2.5	1.7	.5	.2	.0						6.3	8.4	8.0
200-220	1.6	5.1	5.7	1.8	.9	.2						15.4	10.7	10.0
230-250	1.7	6.5	6.9	3.1	.7	.2	.0					19.0	10.7	10.0
(W) 260-280	2.0	3.7	3.3	1.1	.4	.1	.0	.0	.0			10.7	9.4	9.0
290-310	1.2	1.8	1.1	.2	.0	.0						4.4	7.5	7.0
320-340	1.4	1.3	.8	.2	.0							3.8	6.8	6.0
VARIABLE	.0	.3	.4	.0	.0	.0						.8	10.8	10.0
CALM	////////////////////////////////////											6.0	////////////////////////////////	
TOTALS	22.8	36.0	24.7	7.3	2.2	.5						100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.0	.7									4.3	5.4	5.0
020-040	2.2	1.1	.6	.2								4.1	5.9	4.0
050-070	3.4	4.1	.9	.1								8.5	5.8	5.5
(E) 080-100	2.2	2.9	.5									5.6	5.5	5.0
110-130	.7	.3	.1									1.1	4.4	3.5
140-160	.6	1.2	.2									2.1	6.0	6.0
(S) 170-190	.8	2.4	1.5	.5	.2							5.4	8.9	8.0
200-220	1.4	5.2	10.7	3.8	1.5	.7						23.3	12.2	12.0
230-250	1.6	7.5	9.6	3.5	.9	.4	.1					23.5	11.2	10.5
(W) 260-280	2.3	3.0	2.8	1.5	.3	.1						9.9	9.4	9.0
290-310	1.3	1.0	.8	.3	.1	.1						3.6	8.1	7.0
320-340	1.0	.8	.6	.2	.1							2.8	7.7	7.0
VARIABLE														
CALM	////////////////////											5.9	////////	
TOTALS	19.2	31.5	29.0	10.1	3.1	1.3	.1					100.0	8.8	9.0

TOTAL NUMBER OF OBSERVATIONS 1692

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	3.2	1.0									8.9	4.7	4.0
020-040	4.6	3.0	1.0									8.5	4.9	4.0
050-070	7.1	6.8	2.1	.6								16.5	6.1	5.0
(E) 080-100	3.6	5.7	.7									9.9	5.5	6.0
110-130	1.7	.2										1.9	3.2	3.0
140-160	1.7	.9										2.6	3.8	4.0
(S) 170-190	1.2	2.4	.4		.1							4.2	6.6	6.0
200-220	1.1	5.2	2.7	.7	.2							9.9	8.8	8.0
230-250	1.4	4.7	2.7	.4	.1							9.3	8.2	8.0
(W) 260-280	2.8	4.3	1.1									8.2	6.0	6.0
290-310	2.7	1.9	.8									5.3	5.2	4.5
320-340	2.6	1.2	.2									4.0	4.3	4.0
VARIABLE														
CALM	////////////////////											10.8	////////	
TOTALS	35.2	39.5	12.7	1.7	.4							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 901



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	5.0	3.1	.8	.3								9.2	5.2	4.0	
020-040	3.7	2.4	1.0									7.1	5.3	4.0	
050-070	5.7	8.7	1.6	.6								16.4	6.3	6.0	
(E) 080-100	2.9	6.8										9.7	5.9	6.0	
110-130	.7	.1	.1									.9	4.1	3.0	
140-160	1.4	.2	.2									1.9	4.2	3.0	
(S) 170-190	1.8	2.6	.4									4.8	5.9	6.0	
200-220	.6	3.6	2.8	.6	.2							7.7	9.8	9.0	
230-250	3.6	5.3	2.8	.6	.1	.1						12.4	7.6	7.0	
(W) 260-280	3.0	4.2	.8		.1							8.1	6.0	6.0	
290-310	2.1	1.3	.2									3.7	4.4	4.0	
320-340	3.1	1.3	.2									4.7	3.6	2.0	
VARIABLE															
CALM	////////////////////////////////////											13.4	////////		
TOTALS	33.6	39.6	10.9	2.1	.4	.1						100.0	5.4	6.0	

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	2.4	.8	.3								7.3	5.2	4.0
020-040	3.4	3.2	1.0									7.7	5.6	5.0
050-070	5.3	9.7	3.1	.4	.1							18.7	6.7	6.0
(E) 080-100	3.8	5.8	.7	.1								10.3	5.6	6.0
110-130	1.3	.2										1.6	3.4	3.0
140-160	1.8	.8	.1									2.7	4.1	4.0
(S) 170-190	1.3	2.2	1.0	.3								4.9	7.4	7.5
200-220	2.1	4.1	3.0	1.0								10.2	8.3	8.0
230-250	1.4	5.0	2.6	1.0								10.0	8.5	8.0
(W) 260-280	2.2	3.7	1.6	.1								7.6	6.5	6.0
290-310	2.0	2.0	.1									4.1	4.7	5.0
320-340	2.2	1.0	.3									3.6	4.5	4.0
VARIABLE				.1								.1	15.0	15.0
CALM	////////////////////											11.3	////////	
TOTALS	30.6	40.1	14.3	3.3	.1							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.6	1.4	.4								7.2	7.4	7.0
020-040	.7	2.8	.9	.2								4.6	7.3	6.0
050-070	2.2	8.4	5.6	.9								17.1	8.4	8.0
(E) 080-100	1.6	6.1	2.4	.4								10.6	7.8	7.0
110-130	1.9	.8										2.7	4.0	4.0
140-160	1.7	1.0										2.7	4.3	4.0
(S) 170-190	1.6	2.7	2.7	.2								7.1	8.4	8.0
200-220	1.2	4.7	3.1	1.6	.1							10.7	9.5	9.0
230-250	2.1	3.4	4.1	1.1	.3							11.1	9.5	9.5
(W) 260-280	1.2	3.2	4.0	.4	.1							9.0	9.0	10.0
290-310	2.9	1.8	1.0	.1								5.8	5.8	4.5
320-340	1.9	2.6	1.2	.1								5.8	6.3	6.0
VARIABLE		.6	.8	.3								1.7	11.4	10.0
CALM	////////////////////////////////////											4.1	////////////////////////////////	
TOTALS	20.8	41.7	27.2	5.7	.5							100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	4.0	1.2	.4								7.2	7.5	7.0
020-040	1.3	2.9	1.8									6.0	7.4	7.5
050-070	1.4	5.4	4.3	1.1								12.3	8.9	9.0
(E) 080-100	2.4	3.7	1.9	.3								8.3	7.0	6.0
110-130	1.1	1.6	.4									3.1	5.9	6.0
140-160	1.1	.8	.6	.1								2.6	6.3	6.0
(S) 170-190	2.1	3.1	3.4	1.2								9.9	8.8	9.0
200-220	.8	3.6	4.3	1.4	.2							10.3	10.2	10.0
230-250	.9	3.7	3.0	2.6	.3							10.4	10.8	10.0
(W) 260-280	1.9	3.2	3.2	.9								9.2	8.6	9.0
290-310	2.7	2.7	1.8	1.0								8.1	8.1	8.0
320-340	1.6	2.2	1.9	.1	.1							5.9	7.8	8.0
VARIABLE		3.1	2.0	.2								5.3	9.5	9.0
CALM	////////////////////////////////////											1.2	////////////////////////////////	
TOTALS	18.9	40.0	29.8	9.3	.6							100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.0	4.2	1.9	.1								7.2	7.8	8.0
020-040	1.0	4.7	1.8	.3								7.8	7.9	8.0
050-070	1.6	5.1	4.4	.7								11.8	8.5	8.0
(E) 080-100	1.7	4.2	1.6	.7								8.1	7.5	7.0
110-130	1.1	1.6	.2									2.9	5.3	5.0
140-160	1.4	1.7	.2	.1								3.4	5.5	5.0
(S) 170-190	1.1	3.3	3.1	1.2								8.8	9.1	9.0
200-220	.8	3.7	3.7	1.1	.2	.1						9.6	10.0	10.0
230-250	1.3	3.6	2.9	2.0								9.8	9.7	9.5
(W) 260-280	1.0	4.6	3.1	1.3	.1							10.1	9.2	9.0
290-310	1.0	3.0	2.2	.3								6.6	8.2	8.0
320-340	.7	3.4	2.7	.7								7.4	9.1	9.0
VARIABLE	.2	1.7	1.3									3.2	8.7	8.0
CALM	////////////////////////////////////											3.3	////////////////////////////////	
TOTALS	13.9	44.8	29.1	8.5	.3	.1						100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	5.4	1.0									9.6	5.9	6.0
020-040	2.8	6.0	1.1	.1								10.0	6.2	6.0
050-070	4.4	6.1	2.7									13.2	6.6	6.0
(E) 080-100	3.3	4.2	1.4									9.0	6.1	6.0
110-130	2.3	1.7										4.0	4.3	4.0
140-160	.9	1.6	.1									2.6	5.5	5.0
(S) 170-190	2.2	3.3	1.8	.3	.1							7.8	7.5	7.0
200-220	1.8	3.4	2.6	.8	.2							8.8	8.7	8.0
230-250	.8	3.3	3.0	.1	.1							7.3	8.7	9.0
(W) 260-280	2.2	3.7	1.8		.1							7.8	6.9	7.0
290-310	2.0	4.0	1.6	.1								7.7	6.8	7.0
320-340	2.1	2.9	1.8	.1								6.9	6.9	7.0
VARIABLE	.1											.1	2.0	2.0
CALM	////////////////////////////////////											5.3	////////////////////////////////	
TOTALS	28.0	45.6	18.9	1.5	.5							100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	3.3	.7									9.6	4.6	4.0
020-040	4.8	4.3	1.0	.1								10.2	5.5	5.0
050-070	6.2	5.3	2.0	.3								13.9	5.9	5.0
(E) 080-100	5.2	4.4	.6									10.2	5.0	4.0
110-130	2.1	1.1	.1									3.3	4.2	4.0
140-160	1.2	.7	.4	.1								2.4	6.0	4.5
(S) 170-190	1.9	2.7	1.4	.1	.1							6.2	7.2	6.5
200-220	1.7	4.1	2.3	.1	.2							8.4	8.2	8.0
230-250	1.6	6.4	1.6	.3								9.9	7.5	8.0
(W) 260-280	2.8	3.3	1.0									7.1	5.9	5.5
290-310	2.3	2.2	.4									5.0	5.0	5.0
320-340	2.4	2.4	.2									5.1	4.8	5.0
VARIABLE														
CALM	////////////////////////////////////											8.6	//////////	
TOTALS	37.8	40.2	11.7	1.0	.3							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.7	1.1	.2								8.3	5.9	5.0
020-040	2.8	3.7	1.2	.1								7.7	6.1	6.0
050-070	4.2	6.9	3.2	.6	.0							15.0	7.1	7.0
(E) 080-100	3.1	5.1	1.2	.2								9.5	6.3	6.0
110-130	1.5	.9	.1									2.5	4.4	4.0
140-160	1.4	.9	.2	.0								2.6	5.0	4.0
(S) 170-190	1.7	2.8	1.8	.4	.0							6.7	7.9	8.0
200-220	1.2	4.0	3.1	.9	.2	.0						9.4	9.2	9.0
230-250	1.6	4.4	2.8	1.0	.1	.0						10.0	8.8	8.0
(W) 260-280	2.1	3.8	2.1	.3	.1							8.4	7.4	7.0
290-310	2.2	2.4	1.0	.2								5.8	6.3	6.0
320-340	2.1	2.1	1.1	.1	.0							5.4	6.3	6.0
VARIABLE	.0	.7	.5	.1								1.3	9.5	9.0
CALM	////////////////////////////////////											7.3	////////////////////////////////	
TOTALS	27.2	41.4	19.4	4.1	.4							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 7201



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	5.2	1.5	.2								10.2	6.4	6.0
020-040	1.3	3.5	1.6									6.4	7.1	6.0
050-070	2.8	4.5	4.1	.7								12.1	8.1	9.0
(E) 080-100	2.4	3.5	.6									6.5	5.7	6.0
110-130	.7	.1										.7	2.8	3.0
140-160	.7	.3	.1									1.1	4.3	4.0
(S) 170-190	1.1	2.0	1.7		.2							5.0	8.2	8.0
200-220	1.3	5.9	4.9	2.5	.3							15.0	10.3	10.0
230-250	1.5	4.9	4.3	1.1	.1							12.0	9.1	9.0
(W) 260-280	2.7	5.2	3.8		.1							11.8	7.4	8.0
290-310	2.5	3.1	.7	.2								6.5	6.0	5.0
320-340	2.1	2.1	.8	.1								5.1	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											7.5	////////////////////////////////	
TOTALS	22.4	40.3	24.1	4.8	.7							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 1230

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.1	2.2	.1									8.4	3.7	3.5
020-040	5.1	3.8	.3									9.1	4.6	4.0
050-070	7.4	5.2	.6									13.2	4.6	4.0
(E) 080-100	4.4	3.8	.2									8.4	4.8	4.0
110-130	1.4	.9										2.3	4.2	4.0
140-160	2.2	.3	.1									2.6	3.7	4.0
(S) 170-190	2.3	1.8	.3									4.4	5.1	4.0
200-220	2.5	4.7	3.0	.3								10.5	7.8	8.0
230-250	2.9	5.6	2.0	.1								10.6	6.6	6.0
(W) 260-280	1.9	2.7	.4	.1								5.2	6.0	5.5
290-310	3.9	1.0	.6									5.5	4.6	4.0
320-340	2.6	1.6	.6									4.8	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											14.9	////////////////////////////////	
TOTALS	42.7	33.6	8.2	.5								100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	5.3	2.5	.5									8.3	4.2	4.0
020-040	4.9	3.1	.2									8.3	4.3	4.0
050-070	7.4	6.9	.9									15.2	5.1	5.0
(E) 080-100	3.2	2.9	.4									6.6	5.0	5.0
110-130	2.2	.6										2.8	3.6	3.0
140-160	2.2	.4										2.6	3.3	3.0
(S) 170-190	1.7	1.4	.2									3.3	4.8	4.0
200-220	2.2	4.8	2.8	.5								10.3	7.9	7.0
230-250	2.5	7.1	2.4									11.9	7.0	7.0
(W) 260-280	1.8	2.7	.9									5.4	5.8	6.0
290-310	2.5	2.0	.2									4.7	4.9	4.0
320-340	2.0	1.8	.1									4.0	4.7	4.0
VARIABLE														
CALM	////////////////////////////////////											16.7	////////////////////////////////	
TOTALS	37.9	36.2	8.6	.5								100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: RITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.9	.9									5.5	5.3	5.0
020-040	3.8	2.2	.4									6.3	4.5	4.0
050-070	6.9	7.5	2.6									17.0	5.8	5.0
(E) 080-100	4.9	5.1	.8									10.8	5.1	5.0
110-130	2.3	.4										2.7	3.0	3.0
140-160	1.0	.3										1.3	3.4	2.5
(S) 170-190	2.2	2.5	.3									4.9	5.5	5.5
200-220	1.6	5.7	3.2	.4								11.0	8.0	8.0
230-250	1.9	5.1	3.2	.4	.2							10.9	8.1	8.0
(W) 260-280	2.8	1.6	1.6	.2								6.2	6.4	5.0
290-310	3.0	3.0	.5									6.6	5.0	5.0
320-340	3.5	1.4	.4									5.4	4.1	3.0
VARIABLE														
CALM	////////////////////											11.5	////////	
TOTALS	36.6	36.7	13.9	1.0	.2							100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.5	1.4	.1								5.1	6.4	6.0
020-040	2.4	2.7	.8									5.8	5.8	5.0
050-070	3.3	7.2	3.8	.2								14.5	7.1	7.0
(E) 080-100	2.3	5.4	1.9									9.6	6.8	7.0
110-130	2.2	1.4	.2									3.8	4.3	4.0
140-160	2.6	.8	.1									3.4	3.6	3.0
(S) 170-190	1.7	3.2	1.2	.3								6.5	6.9	6.0
200-220	2.2	5.8	4.9	1.3	.1							14.3	8.9	9.0
230-250	2.2	6.0	3.9	1.1	.3							13.4	8.8	8.0
(W) 260-280	2.7	3.0	2.0	.8								8.5	7.5	7.0
290-310	1.9	2.6	1.3	.1								5.9	6.8	6.0
320-340	1.2	1.3	1.2	.1								3.8	6.7	6.0
VARIABLE		1.2	.5									1.7	8.9	8.0
CALM	////////////////////											3.8	////////	
TOTALS	26.7	42.1	23.2	4.0	.4							100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.8	1.2	.3								4.1	7.8	7.0
020-040	1.0	2.7	.9	.1								4.6	7.3	7.0
050-070	1.8	5.2	2.9	.3								10.2	7.6	7.0
(E) 080-100	2.4	4.3	1.9	.3								8.9	6.9	6.0
110-130	1.9	1.1	.6									3.7	5.6	4.0
140-160	2.0	1.1	.5									3.7	5.2	4.0
(S) 170-190	1.8	3.9	1.8	.1								7.6	7.1	7.0
200-220	2.6	3.9	4.2	1.7	.1							12.5	9.0	9.0
230-250	2.5	4.6	5.7	1.3	.5							14.6	9.4	10.0
(W) 260-280	2.0	4.3	3.0	1.2								10.5	8.2	8.0
290-310	1.7	3.0	2.4	.8								7.8	8.4	8.0
320-340	1.5	1.6	.8	.3								4.2	6.7	6.0
VARIABLE	.1	2.7	2.8	.2								5.8	9.5	10.0
CALM	////////////////////////////////////											1.7	////////	
TOTALS	22.1	40.2	28.7	6.6	.6							100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	3.8	1.1	.3								6.5	7.2	7.0
020-040	.8	2.6	1.1	.5								4.9	8.6	7.5
050-070	3.1	5.2	2.0									10.3	6.5	6.0
(E) 080-100	2.5	5.1	2.0	.2								9.8	6.9	6.0
110-130	2.3	1.4	.5									4.2	5.1	4.0
140-160	1.3	1.6	.2									3.1	5.6	6.0
(S) 170-190	1.4	2.9	1.5	.2								6.0	7.4	7.0
200-220	1.8	5.2	4.6	.8								12.4	8.6	8.0
230-250	2.5	4.8	7.5	.6	.3	.1						15.9	9.4	10.0
(W) 260-280	1.6	3.9	4.0	.3								9.8	8.3	8.0
290-310	2.0	3.2	2.3	.5	.1							8.2	7.9	7.0
320-340	1.5	2.0	1.8	.4								5.8	8.0	8.0
VARIABLE	.2	1.3	.3									1.8	7.9	8.0
CALM	////////////////////											1.3	////////	
TOTALS	22.3	43.0	28.9	3.8	.4	.1						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	4.2	1.3	.1								8.2	6.4	6.0
020-040	2.7	3.3	1.0	.3								7.3	6.4	6.0
050-070	5.2	4.6	.9									10.6	5.2	5.0
(E) 080-100	5.1	4.2	.4									9.7	4.7	4.0
110-130	2.4	.9	.2									3.4	4.3	4.0
140-160	1.0	.8										1.7	4.1	4.0
(S) 170-190	2.0	1.9	.5	.1								4.6	5.9	5.0
200-220	3.1	6.7	2.9	.3	.1							13.1	7.0	6.0
230-250	3.0	7.2	3.8	.4								14.4	7.5	7.0
(W) 260-280	2.2	5.1	1.5	.3								9.0	7.2	7.0
290-310	2.6	2.5	1.3									6.3	5.9	5.0
320-340	2.0	2.6	1.4	.1								6.1	6.7	6.0
VARIABLE	.1		.1									.2	6.5	6.5
CALM	////////////////////////////////////											5.2	////////////////////////////////	
TOTALS	34.0	44.0	15.3	1.6	.1							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	6.7	2.8	.2									9.7	4.0	4.0
020-040	5.3	3.0	.6	.1								9.0	4.8	4.0
050-070	8.7	3.8										12.5	3.9	4.0
(E) 080-100	6.3	2.3										8.6	3.8	4.0
110-130	3.3	1.5										4.8	4.0	4.0
140-160	1.9	.5										2.5	3.3	3.0
(S) 170-190	2.9	1.5	.4									4.8	4.9	4.0
200-220	2.8	6.1	2.7	.1								11.7	7.1	7.0
230-250	2.5	6.5	1.7	.2								10.9	6.7	6.0
(W) 260-280	2.8	4.0	.5	.1								7.4	5.8	6.0
290-310	2.5	2.0	.4									4.9	5.1	4.5
320-340	3.5	1.9	.2									5.7	4.5	4.0
VARIABLE	.1											.1	2.0	2.0
CALM	////////////////////////////////////											7.3	////////////////////////////////	
TOTALS	49.3	35.9	6.7	.5								100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	3.4	2.6	.8	.1							6.9	5.4	5.0
020-040	3.2	2.9	.7	.1							6.9	5.5	5.0
050-070	5.5	5.7	1.7	.1							12.9	5.7	5.0
(E) 080-100	3.9	4.1	1.0	.1							9.0	5.5	5.0
110-130	2.2	1.0	.2								3.5	4.3	4.0
140-160	1.8	.7	.1								2.6	4.1	4.0
(S) 170-190	2.0	2.4	.8	.1							5.3	6.1	6.0
200-220	2.3	5.4	3.5	.7	.0						12.0	8.1	8.0
230-250	2.5	5.9	3.8	.5	.2	.0					12.8	8.1	8.0
(W) 260-280	2.2	3.4	1.7	.4							7.8	7.1	7.0
290-310	2.5	2.4	1.1	.2	.0						6.2	6.3	6.0
320-340	2.2	1.8	.8	.1							5.0	5.8	5.0
VARIABLE	.1	.6	.5	.0							1.2	8.9	8.5
CALM	////////////////////////////////////										7.8	////////	
TOTALS	33.8	38.9	16.7	2.4	.2						100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITEBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.9	2.0									5.1	7.7	8.0
020-040	1.3	1.5	1.4									4.1	7.1	7.5
050-070	2.4	3.2	1.1	.1								6.8	6.3	7.0
(E) 080-100	2.3	.6										2.8	3.6	3.0
110-130	1.5	.3										1.8	3.4	3.0
140-160	1.6	.3										1.9	2.9	2.0
(S) 170-190	2.3	2.8	1.1									6.3	6.2	6.0
200-220	2.7	8.9	4.4	1.8	.2							18.1	8.9	8.0
230-250	2.7	7.5	7.5	1.3								19.0	8.9	9.0
(W) 260-280	2.4	4.2	3.0	.5								10.0	7.4	6.0
290-310	3.1	4.3	1.3	.2								8.9	6.1	5.5
320-340	1.9	2.8	1.4	.3								6.5	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											8.6	////////////////////////////////	
TOTALS	25.3	38.3	23.2	4.2	.2							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	.8										6.2	3.0	3.0
020-040	5.3	.9	.1									6.3	3.3	3.0
050-070	6.7	3.0	.1									9.8	4.2	4.0
(E) 080-100	3.7	2.3										6.0	4.1	4.0
110-130	1.7	.3										2.0	3.2	3.0
140-160	2.7	.2										2.9	2.9	3.0
(S) 170-190	2.1	1.0	.1	.1								3.3	4.6	4.0
200-220	1.6	5.0	2.6	.1								9.2	7.3	7.0
230-250	4.1	11.2	1.4	.1								16.9	6.4	6.0
(W) 260-280	2.6	5.0	.4	.3	.1							8.4	6.4	6.0
290-310	3.9	2.2	.7									6.8	4.6	4.0
320-340	4.6	1.1	.3									6.0	3.4	2.5
VARIABLE														
CALM	////////////////////											16.1	////////	
TOTALS	44.4	33.0	5.7	.6	.1							100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.4	1.2	.1									7.8	3.2	3.0
020-040	5.2	.4	.2									5.9	3.0	3.0
050-070	6.7	2.4	.7									9.8	4.4	4.0
(E) 080-100	3.3	2.1	.2									5.7	4.4	4.0
110-130	1.0											1.0	2.4	2.0
140-160	2.8	.1	.1									3.0	2.7	2.0
(S) 170-190	1.9	1.1	.3									3.3	5.2	4.0
200-220	3.3	6.0	1.2				.2					10.8	6.6	6.0
230-250	3.6	7.0	2.4	.1								13.1	6.7	6.0
(W) 260-280	3.8	5.9	1.0	.2								10.9	5.9	5.0
290-310	4.4	1.4	.2									6.1	3.9	4.0
320-340	4.0	1.0	.6									5.6	4.0	3.0
VARIABLE							.1					.1	30.0	25.0
CALM	////////////////////											17.0	////////	
TOTALS	46.4	28.6	7.0	.3			.3					100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	1.7	.1									6.7	3.5	3.0
020-040	3.6	1.8	.3									5.7	3.9	3.0
050-070	4.9	4.4	1.1									10.4	5.4	5.0
(E) 080-100	3.1	2.7	.4									6.2	4.6	4.5
110-130	1.2	.1										1.3	2.4	2.0
140-160	1.7	.2										1.9	2.6	3.0
(S) 170-190	1.9	1.8	.3	.1								4.1	5.4	5.0
200-220	2.1	7.0	1.0	.4		.1						10.7	7.3	7.0
230-250	3.4	7.7	3.2	.7	.2							15.2	7.6	8.0
(W) 260-280	4.2	6.4	1.8									12.4	6.0	5.0
290-310	3.1	2.3	.2	.1								5.8	4.8	4.0
320-340	3.6	1.7	1.4									6.7	5.1	4.0
VARIABLE														
CALM	////////////////////											12.9	////////	
TOTALS	37.7	37.8	9.8	1.3	.2	.1						100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.4	.2	.1								4.6	5.5	5.0
020-040	1.0	3.0	.3									4.3	6.0	6.0
050-070	2.7	5.2	1.6									9.4	6.3	6.0
(E) 080-100	4.0	3.7	1.1									8.8	5.4	5.0
110-130	2.0	.6										2.6	3.3	3.0
140-160	1.2	.1										1.3	2.8	3.0
(S) 170-190	1.8	1.7	.3	.1								3.9	5.5	5.0
200-220	3.1	4.2	4.8	.6	.1							12.8	8.2	9.0
230-250	3.6	5.9	6.4	1.6	.3							17.8	9.0	9.0
(W) 260-280	3.0	6.7	3.2	.3								13.2	7.3	7.0
290-310	2.7	2.8	1.8									7.2	6.2	6.0
320-340	3.1	2.7	1.4	.1								7.3	5.8	5.0
VARIABLE	.1	1.6	.8	.1								2.6	8.7	8.0
CALM	////////////////////											4.2	////////	
TOTALS	30.1	40.6	21.9	2.9	.4							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.7	.8	.1								6.7	5.4	5.0
020-040	1.6	2.6	.6									4.7	6.1	6.0
050-070	1.8	3.9	1.3									7.0	6.6	6.0
(E) 080-100	1.0	2.2	.7									3.9	6.5	7.0
110-130	1.1	1.0	.1									2.2	4.9	4.5
140-160	.6	.9										1.4	4.2	5.0
(S) 170-190	1.9	1.6	1.3	.1								4.9	6.5	6.5
200-220	2.6	5.9	3.2	.4		.1						12.2	7.8	7.0
230-250	1.7	4.7	8.8	2.1	.1							17.3	10.2	10.0
(W) 260-280	1.9	5.3	5.1	1.6								13.9	9.2	9.0
290-310	2.7	2.4	2.1	.6								7.8	7.4	7.5
320-340	2.4	3.3	1.3									7.1	6.4	6.0
VARIABLE	.4	3.9	2.7	.6								7.6	9.2	9.0
CALM	////////////////////////////////////											3.3	////////////////////////////////	
TOTALS	22.8	40.4	28.0	5.5	.1	.1						100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	4.7	.9									6.9	6.5	6.0
020-040	1.2	3.1	1.0	.2								5.6	6.9	6.0
050-070	1.6	3.6	1.1	.1								6.3	6.9	7.0
(E) 080-100	1.6	3.4	.2									5.2	5.9	6.0
110-130	.9	.9										1.8	5.0	4.5
140-160	1.3	.9	.1									2.3	4.5	4.0
(S) 170-190	1.7	1.9	1.0	.1								4.7	6.3	6.0
200-220	3.3	4.9	3.4	.3								12.0	7.3	7.0
230-250	2.8	5.9	7.6	2.0	.1							18.3	9.1	10.0
(W) 260-280	1.9	5.3	5.4	1.2								13.9	9.4	9.0
290-310	1.4	4.3	2.8	.4								9.0	8.0	8.0
320-340	1.9	4.0	2.4	.2								8.6	7.5	7.0
VARIABLE		1.4	1.7									3.1	9.7	10.0
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	20.9	44.3	27.6	4.5	.1							100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	4.0	.8	.1								9.1	5.5	5.0
020-040	1.7	5.2	.2									7.1	5.9	6.0
050-070	3.7	4.0	.8									8.4	5.5	5.0
(E) 080-100	1.9	2.0										3.9	4.4	5.0
110-130	.9	.6										1.4	4.3	4.0
140-160	1.3	.8										2.1	4.0	4.0
(S) 170-190	2.3	2.6	.6									5.4	5.6	5.0
200-220	4.0	5.2	1.9	.1								11.2	6.2	6.0
230-250	3.6	6.7	3.8	.4			.1					14.6	7.5	8.0
(W) 260-280	2.9	7.0	3.0	.4								13.3	7.5	7.0
290-310	3.2	4.0	2.1									9.3	6.2	6.0
320-340	3.1	4.4	2.4									10.0	6.4	6.0
VARIABLE		.1	.2									.3	9.0	10.0
CALM	////////////////////											3.7	////////	
TOTALS	32.8	46.6	15.8	1.0			.1					100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	1.1	.1									7.3	3.5	3.0
020-040	4.4	3.2										7.7	4.3	4.0
050-070	6.8	2.9										9.7	3.9	4.0
(E) 080-100	4.6	1.4										6.0	3.4	3.0
110-130	1.8	.3										2.1	3.1	2.0
140-160	2.3	1.1										3.4	3.5	3.0
(S) 170-190	2.9	1.2	.2	.1								4.4	4.2	4.0
200-220	2.7	6.4	1.8	.1	.1							11.1	6.6	6.0
230-250	3.9	8.1	2.3	.1								14.4	6.7	7.0
(W) 260-280	3.8	5.1	.9	.2								10.0	5.9	5.0
290-310	3.8	1.4	.4	.1								5.8	4.3	3.0
320-340	5.3	2.8	.6									8.7	4.5	3.5
VARIABLE														
CALM	////////////////////											9.3	////////	
TOTALS	48.4	35.0	6.3	.6	.1							100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	2.3	.4	.0								6.9	4.5	4.0
020-040	3.0	2.5	.3	.0								5.9	4.8	4.0
050-070	4.3	3.7	.8	.0								8.9	5.3	5.0
(E) 080-100	2.9	2.5	.3									5.7	4.8	4.0
110-130	1.3	.5	.0									1.8	3.7	3.0
140-160	1.7	.5	.0									2.3	3.4	3.0
(S) 170-190	2.1	1.6	.5	.1								4.3	5.4	5.0
200-220	2.8	5.6	2.5	.3	.0	.0	.0					11.2	7.2	7.0
230-250	3.3	7.1	4.5	.9	.1		.0					16.0	8.0	8.0
(W) 260-280	3.0	5.8	2.6	.5	.0							12.0	7.3	7.0
290-310	3.2	2.6	1.3	.2								7.2	5.9	5.0
320-340	3.5	2.6	1.3	.0								7.5	5.5	5.0
VARIABLE	.1	.9	.7	.1			.0					1.7	9.4	9.0
CALM	////////////////////////////////////											8.6	////////	
TOTALS	35.4	38.2	15.2	2.1	.1							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(DEGREES)												%	WIND	WIND
(N) 350-010	1.8	1.2	.1									3.1	3.9	4.0
020-040	1.6	1.1										2.7	3.7	3.0
050-070	3.1	1.8	1.5									6.5	5.6	5.0
(E) 080-100	3.0	1.4	.5									5.0	4.6	4.0
110-130	1.8											1.8	2.4	2.0
140-160	2.8	.6										3.4	3.3	3.0
(S) 170-190	2.2	3.3	.5	.2								6.2	6.3	6.0
200-220	3.2	8.7	3.9	.2		.1						16.2	7.5	8.0
230-250	3.7	10.8	5.9	.6	.1							21.1	7.8	8.0
(W) 260-280	3.4	7.9	3.6	1.1								15.9	7.8	7.0
290-310	2.7	1.6	.6	.1								5.1	5.4	4.0
320-340	3.3	1.0	.9									5.2	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											7.8	////////	
TOTALS	32.6	39.4	17.5	2.2	.1	.1						100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	2.5										7.4	3.5	3.0
020-040	4.5	1.6										6.1	3.8	4.0
050-070	6.7	4.9										11.6	4.2	4.0
(E) 080-100	3.7	3.4										7.1	4.6	4.0
110-130	1.3	.3										1.6	3.1	2.0
140-160	1.6	.2										1.8	3.0	3.0
(S) 170-190	1.9	1.3										3.2	4.5	4.0
200-220	2.5	4.6	.6	.2								8.0	6.2	6.0
230-250	3.0	7.4	.8									11.2	6.0	6.0
(W) 260-280	3.4	3.7	1.1									8.2	5.9	6.0
290-310	5.4	1.8	.1									7.3	3.6	3.0
320-340	5.6	1.5										7.1	3.0	2.0
VARIABLE														
CALM	////////////////////											19.4	////////	
TOTALS	44.5	33.2	2.6	.2								100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.5	1.3	.1									7.8	3.2	3.0
020-040	3.4	.8	.1									4.3	3.5	3.0
050-070	5.2	6.6	.1									11.8	4.8	5.0
(E) 080-100	3.0	3.2										6.2	4.5	5.0
110-130	.4	.1										.5	2.4	2.0
140-160	1.4	.3										1.7	3.3	2.0
(S) 170-190	1.3	1.2	.2									2.7	5.1	5.0
200-220	2.5	3.5	1.1									7.1	6.1	6.0
230-250	3.9	7.2	1.5									12.6	6.2	6.0
(W) 260-280	3.9	4.7	.3									8.9	5.1	5.0
290-310	4.9	1.5	.1									6.6	3.4	3.0
320-340	4.7	.4	.1									5.3	2.9	2.0
VARIABLE														
CALM	////////////////////											24.4	////////	
TOTALS	41.1	30.8	3.6									100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	2.8										7.7	3.6	3.0
020-040	2.6	1.2										3.8	3.7	4.0
050-070	5.3	6.3	.9									12.5	5.4	5.0
(E) 080-100	2.7	3.9	.3									6.9	5.2	5.0
110-130	.8	.2										1.0	3.1	4.0
140-160	1.5	.6	.1									2.3	3.9	3.0
(S) 170-190	1.9	.9	.5									3.3	5.5	4.0
200-220	2.4	4.6	1.6	.1								8.7	6.5	6.0
230-250	2.8	8.3	2.2	.2								13.4	7.1	7.0
(W) 260-280	3.1	3.7	.5									7.3	5.4	5.0
290-310	3.3	3.1	.4									6.9	5.0	5.0
320-340	5.7	1.6										7.3	3.1	3.0
VARIABLE		.1	.1									.2	9.5	9.5
CALM	////////////////////											18.7	////////////////	
TOTALS	37.0	37.3	6.6	.3								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	3.0	.6									6.2	5.3	5.0
020-040	1.9	2.9	.1									4.9	5.1	5.0
050-070	4.4	5.2	1.6									11.2	5.9	5.0
(E) 080-100	3.2	4.5	1.6	.1								9.5	6.1	6.0
110-130	1.7	.9										2.6	4.0	3.5
140-160	1.6	1.2	.1									2.9	4.0	4.0
(S) 170-190	1.9	1.7	.6									3.9	5.3	4.5
200-220	2.3	4.8	4.4	1.1								12.6	8.4	8.0
230-250	2.0	7.8	4.9	.6								15.5	8.2	8.0
(W) 260-280	2.9	6.3	2.3	.4								11.9	7.2	7.0
290-310	2.5	3.1	.6									6.2	5.7	5.0
320-340	2.9	2.7	.9									6.5	5.5	5.0
VARIABLE		.9	.8									1.6	9.1	8.0
CALM	////////////////////											4.5	////////	
TOTALS	29.9	44.6	18.5	2.2								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.3	.8									5.9	6.2	6.0
020-040	1.9	3.0	.6									5.6	5.7	5.0
050-070	2.4	4.5	1.5									8.4	6.1	6.0
(E) 080-100	2.2	3.1	1.4									6.7	6.4	6.0
110-130	1.7	2.4	.2									4.3	5.0	5.0
140-160	.5	1.6	.4									2.6	6.2	6.0
(S) 170-190	1.3	1.6	.4	.1	.1							3.6	6.4	6.0
200-220	.9	4.6	5.0	.9	.2							11.5	9.5	10.0
230-250	2.2	5.4	6.5	1.5	.1							15.6	9.2	10.0
(W) 260-280	2.5	6.5	4.2	.6								13.8	8.0	8.0
290-310	1.1	4.2	1.0	.1	.1							6.5	7.2	7.0
320-340	2.7	5.3	1.9									9.9	6.6	6.0
VARIABLE		2.7	1.4	.3								4.4	9.6	9.0
CALM	////////////////////////////////////											1.2	////////////////////////////////	
TOTALS	21.2	48.2	25.3	3.5	.5							100.0	7.4	7.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	4.5	.8									6.4	6.6	7.0
020-040	2.2	4.3	.9									7.3	6.2	6.0
050-070	1.4	3.7	.9									5.9	6.5	6.0
(E) 080-100	1.9	3.2	.6									5.8	5.6	5.0
110-130	2.3	1.7	.1									4.1	4.5	4.0
140-160	1.0	1.8	.5									3.3	6.0	6.0
(S) 170-190	1.7	1.7	1.5	.2	.1							5.3	7.3	7.0
200-220	1.9	3.0	3.6	.9	.2							9.6	8.9	9.0
230-250	1.3	5.6	7.9	1.1	.1	.1						16.1	10.0	10.0
(W) 260-280	1.3	7.7	4.5	.4								13.9	8.3	9.0
290-310	1.6	4.6	1.1	.1	.2							7.7	7.1	6.0
320-340	1.8	5.8	2.6									10.2	7.2	7.0
VARIABLE		2.3	1.0									3.2	8.8	9.0
CALM	////////////////////											1.1	////////	
TOTALS	19.5	49.9	26.0	2.7	.6	.1						100.0	7.6	7.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	5.8	1.0									10.2	5.7	6.0
020-040	1.8	4.5	.6									7.0	6.0	6.0
050-070	2.7	4.0	.5									7.2	5.5	5.0
(E) 080-100	5.2	3.7	.3									9.2	4.4	4.0
110-130	1.9	.9	.1									2.9	3.7	3.0
140-160	1.2	.2										1.4	2.9	4.0
(S) 170-190	1.5	1.9	.3	.1								3.9	5.7	5.0
200-220	1.9	3.8	1.2	.3	.2	.2						7.7	7.9	7.0
230-250	1.9	9.4	4.1	.6								16.1	8.0	8.0
(W) 260-280	2.0	8.3	1.9	.2	.1							12.6	7.2	7.0
290-310	2.6	4.5	1.1	.3								8.5	6.8	6.0
320-340	2.6	5.5	1.8	.1								10.0	6.6	7.0
VARIABLE		.1		.1								.2	11.0	11.0
CALM	////////////////////////////////////											3.0	////////////////////////////////	
TOTALS	28.8	52.6	12.9	1.7	.3	.2						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.2	3.0										8.2	3.7	3.0
020-040	4.5	3.3										7.9	4.3	4.0
050-070	7.4	4.5										12.0	4.2	4.0
(E) 080-100	4.7	2.2										6.9	3.8	4.0
110-130	2.0	.3										2.4	3.1	3.0
140-160	1.4	.4		.1								1.9	3.8	3.0
(S) 170-190	1.4	1.5	.2									3.1	5.2	5.0
200-220	3.1	3.9	.5	.1	.2							7.9	5.8	5.0
230-250	4.3	8.2	1.2									13.7	6.1	6.0
(W) 260-280	5.3	5.7	.5		.1							11.7	5.6	5.0
290-310	3.8	2.4	.3									6.5	4.2	4.0
320-340	4.5	1.9	.3									6.8	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											11.1	////////	
TOTALS	47.6	37.3	3.0	.2	.3							100.0	4.2	4.0
TOTAL NUMBER OF OBSERVATIONS 927														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	3.3	.4									7.5	4.7	4.0
020-040	2.9	2.7	.3									5.9	4.9	5.0
050-070	4.4	5.0	.7									10.1	5.2	5.0
(E) 080-100	3.3	3.4	.5	.0								7.3	5.1	5.0
110-130	1.5	.8	.1									2.4	4.0	4.0
140-160	1.3	.8	.1	.0								2.2	4.4	4.0
(S) 170-190	1.6	1.4	.5	.1	.0							3.6	5.8	5.0
200-220	2.2	4.1	2.2	.4	.1	.0						9.1	7.6	7.0
230-250	2.7	7.4	3.6	.5	.0	.0						14.3	7.7	7.0
(W) 260-280	3.1	5.8	1.9	.2	.0							11.0	6.8	6.0
290-310	3.1	3.2	.6	.1	.0							7.0	5.4	5.0
320-340	3.8	3.1	1.0	.0								7.9	5.2	5.0
VARIABLE		.8	.4	.1								1.2	9.3	9.0
CALM	////////////////////////////////////											10.4	////////	
TOTALS	33.7	41.8	12.3	1.4	.1							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 7429

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	3.2										6.8	4.4	4.0
020-040	1.1	1.8	.2									3.0	5.4	6.0
050-070	1.8	1.8										3.5	4.5	4.5
(E) 080-100	1.6	1.6										3.2	4.9	4.5
110-130	.2	.4										.5	6.0	5.0
140-160	.7	.7										1.4	4.6	5.0
(S) 170-190	1.8	1.9	.5									4.2	5.9	6.0
200-220	3.7	7.0	3.0	.7		.2						14.5	7.3	7.0
230-250	3.9	15.4	8.6	1.1								28.9	8.2	8.0
(W) 260-280	3.2	7.0	1.8		.2							12.1	6.5	6.0
290-310	3.2	1.6	.4		.2							5.3	5.0	4.0
320-340	3.9	1.1	.5									5.4	4.0	3.0
VARIABLE														
CALM	////////////////////////////////////											11.2	////////	
TOTALS	28.8	43.5	15.0	1.8	.4	.2						100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 571

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.1	1.1										8.1	3.1	3.0
020-040	5.1	1.5	.1									6.7	3.6	3.0
050-070	10.0	1.6										11.6	3.3	3.0
(F) 080-100	4.4	1.3										5.7	3.6	4.0
110-130	2.0	.1										2.1	2.8	3.0
140-160	1.1	.4										1.5	3.3	3.0
(S) 170-190	1.2	.5	.1									1.9	4.2	3.0
200-220	1.9	4.4	.7	.6	.1							7.9	7.6	7.0
230-250	4.0	7.9	.9									12.8	5.9	6.0
(W) 260-280	4.9	4.7	.8									10.4	5.2	5.0
290-310	4.9	1.5										6.4	3.4	3.0
320-340	3.6	.9										4.5	3.1	2.0
VARIABLE														
CALM	////////////////////											20.4	////////	
TOTALS	50.2	25.9	2.6	.8	.1							100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 750



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	1.1										5.0	3.2	3.0
020-040	4.5	1.1										5.7	3.3	3.0
050-070	7.0	1.3										8.3	3.4	4.0
(E) 080-100	4.4	1.6										6.0	3.4	3.0
110-130	.7	.1										.8	2.6	2.0
140-160	1.4	.2										1.7	3.0	3.0
(S) 170-190	1.1	.4										1.6	4.0	3.5
200-220	2.1	3.9	1.6	.3	.1							8.0	7.2	6.5
230-250	4.4	8.9	1.3		.1							14.7	6.0	6.0
(W) 260-280	4.7	4.5	.4									9.6	4.9	5.0
290-310	4.7	1.3										6.0	3.2	3.0
320-340	4.2	.8										5.0	3.0	2.0
VARIABLE														
CALM	////////////////////											27.7	////////	
TOTALS	43.1	25.2	3.3	.3	.2							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 902

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	1.7	.1									5.9	3.6	3.0
020-040	3.2	1.1	.2									4.5	3.5	3.0
050-070	5.8	3.8	.1									9.7	4.1	4.0
(E) 080-100	4.6	2.3										6.9	3.8	4.0
110-130	.9											.9	2.3	2.0
140-160	1.2	.3										1.5	3.0	2.5
(S) 170-190	1.2	.8	.1									2.0	4.5	4.0
200-220	3.0	2.7	1.1	.4								7.2	6.5	6.0
230-250	4.2	9.4	3.7	.3	.1							17.6	6.9	6.5
(W) 260-280	3.8	5.3	.4									9.5	5.3	5.0
290-310	4.7	1.3	.1									6.1	3.7	3.0
320-340	4.3	1.4										5.7	3.2	3.0
VARIABLE			.1									.1	10.0	10.0
CALM	////////////////////////////////////											22.4	////////////////////////////////	
TOTALS	41.0	30.1	5.9	.7	.1							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.5	.2									4.3	5.2	5.0
020-040	1.4	1.5	.4									3.3	5.6	5.0
050-070	3.5	4.4	.5									8.5	5.2	5.0
(E) 080-100	4.4	4.6	.2									9.2	4.6	5.0
110-130	2.8	.4										3.2	2.8	2.0
140-160	2.4	.6	.1									3.1	3.4	3.0
(S) 170-190	1.8	1.8	.3									4.0	5.0	5.0
200-220	2.2	3.7	2.4	.4								8.6	7.5	8.0
230-250	4.1	8.0	6.3	1.0	.2	.2						19.8	8.4	8.0
(W) 260-280	4.0	7.5	3.1	.1								14.7	6.7	7.0
290-310	2.4	3.7	.6									6.7	5.7	6.0
320-340	3.0	1.9	.4									5.4	4.8	4.0
VARIABLE		1.1	.4									1.5	8.9	9.0
CALM	////////////////////											7.6	////////////////	
TOTALS	33.6	41.7	14.9	1.5	.2	.2						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.7	.3									2.7	6.3	7.0
020-040	1.5	1.9	.3									3.7	5.5	5.0
050-070	1.9	2.6	.2									4.8	5.4	5.0
(E) 080-100	1.7	2.5	.3									4.5	5.7	5.0
110-130	2.3	1.6	.3									4.2	4.8	4.0
140-160	1.1	1.1	.1									2.4	5.2	5.0
(S) 170-190	2.5	1.6	1.1									5.2	5.8	5.0
200-220	2.7	4.6	3.3	.7								11.3	7.9	8.0
230-250	4.2	7.8	10.6	2.2	.1	.1						25.0	9.3	10.0
(W) 260-280	2.2	6.3	5.0	.5	.2							14.2	6.3	8.0
290-310	2.8	4.3	1.8									8.9	6.2	6.0
320-340	1.8	2.7	1.0									5.5	6.3	6.0
VARIABLE		1.9	2.8									4.8	9.5	10.0
CALM	////////////////////////////////////											2.7	////////////////////////////////	
TOTALS	25.4	40.6	27.1	3.4	.3	.1						100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 883

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	2.2	1.3									6.4	5.7	5.0
020-040	1.3	1.3	.8									3.5	6.1	6.0
050-070	1.6	2.4	.1									4.1	5.3	5.0
(E) 080-100	1.9	2.9	.2									5.0	5.5	6.0
110-130	1.3	1.6										2.9	4.4	5.0
140-160	1.3	1.2	.4	.1								3.0	5.6	5.0
(S) 170-190	1.6	1.0	1.0									3.5	6.0	5.0
200-220	3.4	3.1	3.6									10.1	7.3	8.0
230-250	3.2	7.3	10.1	1.4	.2							22.3	9.4	10.0
(W) 260-280	3.5	7.6	5.3	.5	.1							16.9	7.7	8.0
290-310	2.6	5.2	2.2	.2								10.2	6.9	7.0
320-340	1.7	3.4	1.3	.1								6.5	6.9	6.0
VARIABLE		2.0	1.2	.1								3.4	9.4	9.0
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	26.3	41.2	27.5	2.4	.3							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 833

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	3.2	.5									8.5	4.8	4.0
020-040	1.7	2.4	.8									4.9	6.1	6.0
050-070	1.1	2.3	.3									5.6	4.8	4.0
(E) 080-100	4.5	2.4	.1									7.0	4.0	4.0
110-130	2.4	.1										2.5	2.7	2.0
140-160	2.1	.5	.1									2.8	3.6	3.0
(S) 170-190	2.5	.7	.1									3.3	3.7	3.0
200-220	4.5	3.3	1.1	.5								9.4	5.9	5.0
230-250	4.2	9.0	2.9	.5	.1							16.9	6.9	7.0
(W) 260-280	5.2	8.1	2.5									15.8	6.2	6.0
290-310	3.1	4.6	1.1									8.8	5.8	6.0
320-340	2.3	5.6	1.1	.1								9.0	6.5	6.0
VARIABLE														
CALM	////////////////////											5.4	////////	
TOTALS	40.4	42.2	10.6	1.1	.1							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 753

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	4.4	1.9	.3									6.5	4.0	4.0	
020-040	5.0	2.6	.3									7.9	4.2	3.0	
050-070	10.1	1.6										11.7	3.3	3.0	
(E) 080-100	6.0	.9										6.9	3.2	3.0	
110-130	2.6	.4										3.0	3.0	3.0	
140-160	1.9	.4										2.3	3.1	2.0	
(S) 170-190	2.1	1.1	.3									3.4	4.5	4.0	
200-220	3.3	5.2	1.5	.4								10.3	6.4	6.0	
230-250	4.2	7.4	.8	.1								12.6	5.7	6.0	
(W) 260-280	5.2	4.4	.1									9.7	4.7	4.0	
290-310	4.2	2.5										6.8	4.1	4.0	
320-340	3.2	1.3	.1									4.6	3.8	3.0	
VARIABLE															
CALM	////////////////////////////////////												14.3	//////////	
TOTALS	52.2	29.7	3.4	.5								100.0	3.8	4.0	

TOTAL NUMBER OF OBSERVATIONS 755

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	1.9	.3									5.8	4.4	4.0
020-040	2.9	1.6	.4									4.9	4.5	4.0
050-070	5.3	2.6	.2									8.0	4.1	4.0
(E) 080-100	4.0	2.4	.1									6.4	4.2	4.0
110-130	1.8	.5	.0									2.4	3.5	3.0
140-160	1.6	.6	.1	.0								2.3	3.9	3.0
(S) 170-190	1.7	1.0	.4									3.1	4.9	4.0
200-220	2.9	3.8	1.9	.4	.0							9.1	7.1	6.0
230-250	4.1	8.2	4.7	.7	.1	.0						17.9	7.7	7.0
(W) 260-280	4.1	6.1	2.2	.1	.0							12.6	6.4	6.0
290-310	3.7	3.0	.7	.0								7.5	5.1	5.0
320-340	3.0	2.2	.5	.0								5.8	4.9	4.0
VARIABLE		.7	.6	.0								1.3	9.4	9.0
CALM	////////////////////////////////////											13.0	////////////////////////////////	
TOTALS	38.7	34.6	12.1	1.2	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 6736



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITEBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.6										4.7	3.6	3.0
020-040	2.4	.7										3.1	3.1	3.0
050-070	4.1	1.9										6.0	3.5	4.0
(E) 080-100	2.7	1.6										4.3	3.8	4.0
110-130	.5											.5	1.5	1.5
140-160	.5											.5	2.0	2.0
(S) 170-190	1.1	.8	.4									2.3	5.0	5.0
200-220	2.9	5.2	3.3	1.2								12.7	8.0	8.0
230-250	4.4	13.5	5.5	1.5								24.8	7.7	7.0
(W) 260-280	4.7	6.5	.8		.1							12.1	5.6	5.0
290-310	4.8	2.4	.1									7.3	3.8	3.0
320-340	5.2	.7	.1									6.0	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											15.6	////////////////////////////////	
TOTALS	36.4	34.9	10.2	2.7	.1							100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 749

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	1.4										6.1	3.2	3.0
020-040	3.6	.3	.1									4.0	2.9	2.0
050-070	7.8	2.4	.4									10.7	3.9	4.0
(E) 080-100	5.0	2.0										7.0	3.6	4.0
110-130	1.6	.4										2.0	3.3	3.0
140-160	.8	.4										1.2	4.5	4.0
(S) 170-190	2.9	1.7	.1	.1								4.8	4.7	4.0
200-220	.6	5.2	3.3	.4								9.6	8.9	8.0
230-250	2.7	7.9	5.3	1.2	.1							17.2	8.5	8.0
(W) 260-280	3.2	5.4	1.3	.4	.1							10.6	6.4	6.0
290-310	2.8	1.4										4.2	3.7	3.5
320-340	2.3	.8	.1									3.2	3.7	3.0
VARIABLE														
CALM	////////////////////											19.4	////////	
TOTALS	38.0	29.3	10.6	2.1	.2							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	1.6										5.8	3.5	4.0
020-040	2.9	.8										3.7	3.2	3.0
050-070	6.1	2.4	.6									9.1	4.3	4.0
(E) 080-100	4.3	2.3										6.7	4.1	4.0
110-130	1.3	.7										2.0	3.8	3.5
140-160	1.3	.6										1.9	3.5	3.0
(S) 170-190	1.7	.9	.1	.1								2.8	4.5	4.0
200-220	1.9	4.7	2.1	.7	.2							9.6	8.3	8.0
230-250	3.3	8.7	6.2	1.4	.1							19.8	8.5	8.0
(W) 260-280	2.7	4.1	1.7	.3								8.8	6.6	6.0
290-310	2.6	1.1	.2		.1							4.0	4.6	3.0
320-340	4.0	.3										4.3	2.0	2.0
VARIABLE														
CALM	////////////////////											21.7	////////	
TOTALS	36.3	28.2	10.9	2.5	.4							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	1.2	.1									5.2	3.7	4.0
020-040	1.8	.9	.1									2.8	4.0	4.0
050-070	5.3	3.3	.2									8.9	4.1	4.0
(E) 080-100	3.8	1.3	.1									5.2	3.9	3.0
110-130	1.1	.7	.1									1.9	4.8	4.0
140-160	1.1	.4										1.6	2.9	2.5
(S) 170-190	1.7	1.7	.2									3.6	5.7	5.0
200-220	1.8	3.3	3.1	.4	.3							9.0	8.7	8.0
230-250	3.4	8.3	7.0	1.3	.1	.1						20.3	8.5	8.0
(W) 260-280	3.8	3.9	1.2	.6								9.4	6.3	5.0
290-310	3.1	1.2	.2									4.6	4.1	3.0
320-340	4.6	.4										5.0	2.4	2.0
VARIABLE														
CALM	////////////////////											22.6	////////	
TOTALS	35.4	26.6	12.3	2.3	.4	.1						100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	1.2										3.6	4.1	4.0
020-040	1.8	2.1										3.9	5.0	5.0
050-070	4.1	4.0	1.2									9.3	5.5	5.0
(E) 080-100	4.8	4.1	.9									9.8	5.1	5.0
110-130	1.2	.4										1.7	3.9	3.0
140-160	1.8	.7	.2									2.7	3.8	3.0
(S) 170-190	1.6	1.7	.4	.1								3.8	5.7	5.5
200-220	1.9	5.6	3.7	.7								11.8	8.2	8.0
230-250	3.0	5.8	7.1	2.9	.7							19.4	10.0	10.0
(W) 260-280	3.9	5.1	3.8	1.0								13.8	7.6	7.0
290-310	2.7	1.3	.8	.1								4.9	5.1	3.0
320-340	2.2	1.3	.3									3.9	4.3	3.0
VARIABLE		.4	.1									.6	8.2	8.0
CALM	////////////////////											11.0	////////////////	
TOTALS	31.3	33.7	18.5	4.8	.7							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.2	.4									4.2	5.5	5.5
020-040	1.7	2.8	.3									4.8	5.5	5.0
050-070	2.3	3.2	1.3	.1								7.0	6.3	6.0
(E) 080-100	2.7	3.7	.9	.1								7.3	5.7	5.0
110-130	1.2	.9										2.1	4.8	4.0
140-160	2.2	1.8	.3									4.3	4.9	4.0
(S) 170-190	3.1	2.3	.9	.2								6.6	5.6	5.0
200-220	2.1	4.8	3.9	.9	.1							11.8	8.4	9.0
230-250	3.4	7.1	9.3	3.6	.9	.1						24.4	10.3	10.0
(W) 260-280	3.4	4.6	5.0	1.7	.1							14.8	8.7	8.0
290-310	2.1	2.4	.7	.7								5.9	6.8	6.0
320-340	1.1	2.0	.1									3.2	5.4	6.0
VARIABLE		.6	.6									1.1	9.7	9.0
CALM	////////////////////											2.4	////////	
TOTALS	26.9	38.4	23.7	7.3	1.1	.1						100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	3.2	.8									6.0	5.7	5.0
020-040	1.8	2.0	.3									4.1	5.3	5.0
050-070	2.6	4.1	.8									7.4	5.8	6.0
(E) 080-100	3.2	2.7	.8									6.7	5.2	5.0
110-130	2.1	.6										2.7	3.5	3.0
140-160	3.2	1.3	.3									4.9	4.2	3.0
(S) 170-190	2.3	2.3	.7	.1	.1							5.6	6.0	6.0
200-220	1.7	4.7	3.2	1.2	.2							11.0	8.8	8.0
230-250	3.9	8.1	10.4	2.9	.2							25.6	9.4	10.0
(W) 260-280	2.8	5.0	4.7	1.1								13.6	8.4	8.0
290-310	1.0	3.3	1.6	.6								6.4	8.1	7.0
320-340	.8	1.4	.6									2.8	6.4	6.0
VARIABLE			.2	.1								.3	13.3	12.0
CALM	////////////////////////////////////											3.0	////////	
TOTALS	27.4	38.7	24.4	6.0	.5							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	1.7	.2									5.4	4.3	4.0
020-040	3.9	1.7	.2									5.8	4.3	4.0
050-070	3.7	2.8	.3									6.8	4.7	4.0
(E) 080-100	5.3	2.2	.1									7.7	4.0	4.0
110-130	2.1	.9										3.0	3.9	4.0
140-160	1.4	.2										1.7	3.3	3.0
(S) 170-190	3.0	.8	.7	.2								4.7	5.2	4.0
200-220	4.0	4.9	3.1	.8								12.8	7.4	6.0
230-250	4.7	10.3	5.1	1.1								21.2	7.7	8.0
(W) 260-280	2.9	6.2	2.4	.4								12.0	7.3	7.0
290-310	3.4	2.8	.9	.1								7.2	5.5	5.0
320-340	2.2	1.0	.1									3.3	3.8	3.5
VARIABLE														
CALM	////////////////////											8.4	////////	
TOTALS	40.2	35.5	13.1	2.6								100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	.7										5.8	2.9	3.0
020-040	4.1	.7	.1									4.9	3.2	3.0
050-070	7.0	3.4	.2									10.7	4.0	4.0
(E) 080-100	4.3	2.7										7.0	4.3	4.0
110-130	1.7	.4										2.1	3.9	4.0
140-160	1.0	.9										1.9	4.3	4.0
(S) 170-190	1.8	1.4	.6									3.8	5.1	5.0
200-220	1.9	4.9	3.3	.9								11.0	8.4	8.0
230-250	2.7	7.6	5.2	1.1								16.6	8.4	8.0
(W) 260-280	3.9	6.1	1.7	.2								11.9	6.5	6.0
290-310	3.3	1.7	.4									5.4	4.7	4.0
320-340	3.3	.8	.2									4.3	3.8	3.0
VARIABLE														
CALM	////////////////////											14.7	////////	
TOTALS	40.1	31.3	11.7	2.2								100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.7	.2									5.3	4.1	4.0
020-040	2.7	1.4	.2									4.2	4.2	4.0
050-070	4.9	3.2	.6	.0								8.7	4.7	4.0
(E) 080-100	4.2	2.6	.3	.0								7.2	4.5	4.0
110-130	1.5	.6	.0									2.2	3.9	4.0
140-160	1.6	.8	.1									2.5	4.1	4.0
(S) 170-190	2.3	1.6	.5	.1	.0							4.4	5.4	4.0
200-220	2.0	4.8	3.2	.8	.1							10.8	8.4	8.0
230-250	3.4	8.0	7.0	1.9	.3	.0						20.6	9.0	9.0
(W) 260-280	3.3	5.1	2.7	.7	.0							11.8	7.3	7.0
290-310	2.6	1.9	.6	.2	.0							5.3	5.5	5.0
320-340	2.6	1.0	.2									3.8	3.8	3.0
VARIABLE		.1	.1	.0								.2	9.9	9.5
CALM	////////////////////////////////////											12.9	////////	
TOTALS	34.5	32.8	15.7	3.7	.4							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	1.2	.2									3.6	4.0	4.0
020-040	2.1	1.2	.2									3.5	4.5	4.0
050-070	3.5	4.2	1.0									8.7	5.6	6.0
(E) 080-100	3.1	1.3										4.4	3.8	3.0
110-130	1.9	.2										2.1	3.4	3.0
140-160	1.3	.6										1.9	3.3	2.0
(S) 170-190	2.0	1.6	.9	.1								4.5	5.7	5.0
200-220	1.7	5.5	5.0	.9	.2							13.4	9.1	9.0
230-250	4.4	7.4	10.9	2.6	.5							25.8	9.5	10.0
(W) 260-280	3.1	5.3	2.8	1.1	.1							12.4	7.7	7.0
290-310	2.4	.7	.1									3.2	3.6	3.0
320-340	2.2	.5	.2									2.8	3.2	2.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////////////////////////////	
TOTALS	30.0	29.7	21.3	4.7	.8							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 1273

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.2										2.0	2.8	3.0
020-040	2.4	.6										3.0	3.0	3.0
050-070	6.7	3.9	.3									10.9	4.5	4.0
(E) 080-100	6.2	6.8	.9									13.9	5.2	5.0
110-130	2.0	1.1										3.1	3.8	4.0
140-160	2.5	.5	.1	.2								3.3	4.0	2.0
(S) 170-190	2.2	2.3	.6	.1	.4							5.6	7.3	6.0
200-220	2.8	6.1	4.8	1.0	.5							15.3	8.7	8.0
230-250	2.8	6.7	5.6	2.2	1.0							18.2	9.6	9.0
(W) 260-280	2.4	2.0	2.3	.5	.1							7.3	7.8	7.5
290-310	1.5	.8	.1	.1	.1							2.6	4.8	3.0
320-340	1.6	1.0										2.6	3.8	3.0
VARIABLE														
CALM	////////////////////											12.2	////////	
TOTALS	34.9	32.0	14.7	4.1	2.1							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.6										2.4	3.3	3.0
020-040	2.3	1.1										3.3	3.6	3.0
050-070	4.7	5.3	.3									10.3	4.8	5.0
(E) 080-100	5.4	6.3	1.0									12.7	5.3	5.0
110-130	1.4	.3										1.7	3.3	3.0
140-160	1.1	.5										1.6	3.7	3.0
(S) 170-190	2.0	1.9	1.7	.8	.3	.1						6.9	8.8	7.0
200-220	2.7	5.1	4.0	1.3	.1	.1						13.2	8.6	8.0
230-250	2.2	6.6	6.3	2.8	.5							18.4	9.8	10.0
(W) 260-280	1.8	1.8	2.4	.6	.3							7.0	8.7	9.0
290-310	3.2	1.2	.4	.1								4.9	4.3	3.5
320-340	1.4	.6	.3									2.4	4.4	3.0
VARIABLE			.1		.1							.2	16.5	16.5
CALM	////////////////////////////////////											14.9	////////////////////////////////	
TOTALS	29.9	31.3	16.5	5.6	1.3	.2						100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASEEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	.1	.1									2.6	2.8	2.0
020-040	2.5	.4	.1									3.0	3.5	3.0
050-070	4.3	5.4	.3									10.0	5.2	5.0
(E) 080-100	5.7	7.6	.8									14.1	5.4	5.0
110-130	1.5	.4										1.9	3.0	2.5
140-160	1.8	.8	.1									2.7	4.2	3.0
(S) 170-190	1.7	2.4	1.1	.5								5.7	7.4	6.0
200-220	3.2	5.4	5.2	1.4	.1							15.3	8.6	8.0
230-250	3.1	7.0	6.0	2.9	.6							19.7	9.7	9.0
(W) 260-280	3.3	1.6	1.3	.3	.3							6.9	6.6	5.0
290-310	1.7	.9	.3		.1							3.0	5.5	4.0
320-340	1.6	.6	.4									2.7	4.9	4.0
VARIABLE														
CALM	////////////////////											12.5	////////	
TOTALS	32.8	32.6	15.7	5.1	1.1							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.0	.1									2.2	3.9	4.0
020-040	1.1	1.1	.2									2.4	5.4	5.5
050-070	2.5	4.2	1.6									8.3	6.3	6.0
(E) 080-100	5.3	7.2	3.3									15.8	6.4	6.0
110-130	2.9	.9										3.8	3.1	3.0
140-160	1.4	.4										1.8	3.1	3.0
(S) 170-190	2.2	2.0	1.6	.3								6.1	6.9	6.0
200-220	3.1	5.6	4.7	3.0	.9							17.3	10.0	9.0
230-250	3.4	5.3	6.5	3.5	.4							19.1	10.0	10.0
(W) 260-280	3.1	2.6	2.8	.9								9.4	7.8	7.0
290-310	1.2	1.0	.5		.3							3.0	7.5	7.0
320-340	1.3	1.2										2.5	4.7	4.0
VARIABLE		.2										.2	9.0	9.0
CALM	////////////////////											8.2	////////	
TOTALS	28.6	32.7	21.3	7.7	1.6							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.4										3.0	4.4	4.0
020-040	1.0	1.2	.4									2.6	5.9	5.5
050-070	1.9	2.4	1.0	.1								5.4	6.3	5.5
(E) 080-100	3.4	4.5	3.7	.2								11.8	7.2	7.0
110-130	2.3	1.3	.1									3.7	4.3	3.0
140-160	2.5	.9	.2									3.5	3.6	2.0
(S) 170-190	2.7	2.8	1.7	.3								7.5	6.7	6.0
200-220	1.8	5.7	6.0	2.5	.6							16.7	10.3	10.0
230-250	3.8	7.0	7.3	5.4	1.0	.1						24.5	10.6	10.0
(W) 260-280	2.6	3.7	2.5	1.5								10.2	8.3	7.0
290-310	1.9	.6	.5	.3	.2							3.7	6.6	4.0
320-340	1.3	1.1	.2									2.6	4.9	4.5
VARIABLE		.5	.4	.4								1.4	11.6	11.0
CALM	////////////////////////////////////											3.4	////////	
TOTALS	26.8	33.1	24.0	10.7	1.8	.1						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.1	.1									2.3	4.7	5.0
020-040	1.0	2.8	.3									4.1	6.4	6.0
050-070	1.7	2.8	1.2									5.7	6.7	7.0
(E) 080-100	4.8	5.7	2.2	.1								12.8	6.3	6.0
110-130	1.4	.5	.2									2.2	4.5	4.0
140-160	2.0	1.6		.2	.1							4.0	5.5	4.0
(S) 170-190	2.9	4.3	2.2	.5	.2							10.1	7.3	6.0
200-220	3.3	5.7	2.8	1.9	.5							14.3	8.9	8.0
230-250	3.1	7.3	8.2	4.4	1.0	.2						24.2	10.6	10.0
(W) 260-280	2.3	4.0	2.5	.8		.1						9.6	8.2	8.0
290-310	1.6	1.4	.8	.3		.1						4.2	7.1	5.0
320-340	1.4	1.5										2.9	4.7	5.0
VARIABLE		.1										.1	9.0	9.0
CALM	////////////////////											3.7	////////	
TOTALS	26.6	38.8	20.5	8.2	1.8	.4						100.0	7.7	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.1										2.9	3.9	3.0
020-040	1.9	1.8	.2									4.0	4.4	5.0
050-070	3.8	3.2	.2									7.2	4.9	4.0
(E) 080-100	4.6	8.1	.6	.2								13.5	6.0	6.0
110-130	2.8	1.6										4.4	4.1	4.0
140-160	3.3	1.3		.1	.1							4.8	4.4	3.0
(S) 170-190	3.2	4.1	1.0	.4	.1							8.8	6.7	6.0
200-220	3.5	8.3	3.5	1.0	.4	.1						16.9	8.1	7.0
230-250	2.2	7.4	5.9	2.3	.2							18.0	9.4	9.0
(W) 260-280	2.0	2.9	1.6	.8								7.3	7.8	8.0
290-310	1.2	1.3	.5	.1								3.1	6.0	5.0
320-340	1.8	1.1	.1	.1								3.1	4.9	4.0
VARIABLE			.1									.1	14.0	14.0
CALM	////////////////////											5.8	////////	
TOTALS	32.1	42.2	13.7	5.0	.8	.1						100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.6	.1									3.4	3.4	3.0
020-040	2.8	1.2										4.0	3.4	3.0
050-070	4.1	3.7	.3									8.1	4.8	4.0
(E) 080-100	6.3	6.7	1.4									14.4	5.5	5.0
110-130	2.3	1.4	.1									3.8	4.0	4.0
140-160	3.0	1.4	.2									4.6	4.3	4.0
(S) 170-190	2.5	3.3	.8	.2	.4							7.2	7.1	6.0
200-220	2.8	5.6	4.7	1.1	.2	.1						14.5	8.9	8.0
230-250	3.1	8.4	5.7	2.8	.2							20.2	9.0	8.0
(W) 260-280	1.4	1.7	1.3	1.1								5.5	8.5	8.0
290-310	2.3	.9	.2									3.3	4.0	2.0
320-340	1.5	.6										2.2	4.0	4.0
VARIABLE		.1										.1	6.0	6.0
CALM	////////////////////											8.7	////////	
TOTALS	34.8	35.6	14.8	5.2	.8	.1						100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.8	.1									2.6	3.7	3.0
020-040	1.9	1.3	.2									3.3	4.4	4.0
050-070	3.7	3.8	.7	.0								8.2	5.3	5.0
(E) 080-100	5.2	6.6	1.7	.1								13.6	5.9	6.0
110-130	2.1	.9	.1									3.1	3.8	4.0
140-160	2.2	.9	.1	.1	.0							3.3	4.2	3.0
(S) 170-190	2.4	2.9	1.3	.4	.2	.0						7.2	7.2	6.0
200-220	2.9	5.9	4.5	1.6	.4	.0						15.4	9.0	8.0
230-250	3.0	6.9	6.4	3.3	.6	.0						20.3	9.9	10.0
(W) 260-280	2.4	2.5	2.1	.8	.1	.0						7.9	8.0	7.0
290-310	1.8	1.0	.4	.1	.1	.0						3.5	5.7	4.0
320-340	1.5	1.0	.1	.0								2.6	4.6	4.0
VARIABLE		.1	.1	.1	.0							.3	11.5	10.5
CALM	////////////////////////////////////											8.7	////////////////////////////////	
TOTALS	30.9	34.6	17.8	6.5	1.4							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: A'L

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.6	.1	.0								.8	3.6	3.0
020-040	1.2	.8	.0								2.0	4.4	4.0
050-070	3.8	2.9	.7								7.5	5.0	4.0
(E) 080-100	5.4	6.5	1.9	.1							13.9	5.9	6.0
110-130	1.9	.6	.0								2.6	3.4	3.0
140-160	2.0	1.0	.1	.1							3.2	4.5	3.0
(S) 170-190	2.7	2.6	1.6	.7	.6						8.1	8.3	7.0
200-220	3.1	7.5	5.6	2.8	.5						19.4	9.5	9.0
230-250	2.9	8.4	7.8	5.1	.9	.1					25.2	10.6	10.0
(W) 260-280	1.9	1.9	1.5	.9	.1						6.4	8.3	8.0
290-310	1.1	.6	.2	.0		.0					2.0	5.5	4.0
320-340	.5	.3	.1								1.0	4.8	4.0
VARIABLE													
CALM	////////////////////////////////////										7.9	////////////////////////////////	
TOTALS	27.1	33.2	19.5	9.7	2.1	.1					100.0	7.4	7.0

TOTAL NUMBER OF OBSERVATIONS 2053

OPERATING LOCATION "A"  
USAFETAC, ASEEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	.6	.1									3.2	3.2	3.0
020-040	2.2	1.1	.4	.2								4.0	5.1	3.0
050-070	4.6	5.7	1.1	.3								11.7	5.9	5.0
(E) 080-100	5.2	3.4	1.6									10.2	5.5	4.0
110-130	2.2	.6	.1									2.9	3.6	3.0
140-160	1.1	.3										1.4	3.4	3.0
(S) 170-190	1.6	2.4	.9	.2								5.1	7.1	7.0
200-220	2.3	4.7	5.1	1.2	.3	.2						13.9	9.2	9.0
230-250	4.2	7.2	5.3	1.8	.7	.1	.1	.2	.1			19.8	9.5	8.0
(W) 260-280	2.2	3.0	1.7	1.0								7.9	7.9	7.0
290-310	2.0	1.2	1.0	.3								4.6	6.6	5.0
320-340	1.0	.8	.3	.1								2.2	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											13.1	////////////////////////////////	
TOTALS	31.2	31.0	17.6	5.1	1.0	.3	.1	.2	.1			100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	.7	.2									4.0	3.6	3.0
020-040	3.0	1.1	1.1	.1								5.3	5.4	4.0
050-070	3.6	3.8	1.3	.2								8.9	6.1	5.5
(E) 080-100	4.9	5.0	1.2									11.1	5.6	5.0
110-130	1.7	.3										2.0	3.2	3.0
140-160	1.4	1.1	.2									2.8	4.8	4.0
(S) 170-190	1.6	3.2	.8	.3								5.9	6.9	6.0
200-220	2.1	5.6	4.2	1.4	.2							13.6	9.3	9.0
230-250	4.7	5.3	6.0	1.2	.2	.2	.1	.2				18.0	9.1	8.0
(W) 260-280	2.4	3.1	1.9	.9	.1	.3						8.8	8.7	7.0
290-310	1.3	1.0	.6	.3								3.2	6.7	5.0
320-340	1.6	.7										2.2	3.6	3.0
VARIABLE														
CALM	////////////////////											14.2	////////	
TOTALS	31.4	30.9	17.5	4.4	.5	.5	.1	.2				100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.6	.2									2.4	3.9	3.0
020-040	1.6	.9	.4									2.9	5.0	4.0
050-070	4.2	4.0	2.0	.3								10.6	6.2	5.0
(E) 080-100	5.4	3.7	1.0									10.1	5.0	4.0
110-130	1.8	.6										2.3	3.2	2.0
140-160	1.2	1.1	.1									2.4	4.8	4.5
(S) 170-190	1.8	2.6	1.1	.2	.1							5.8	7.2	7.0
200-220	2.3	5.9	5.1	1.3	.2	.1						15.0	9.1	9.0
230-250	2.8	6.0	5.7	1.1	.3	.1						16.0	9.1	9.0
(W) 260-280	3.1	3.8	1.8	1.0	.2	.1	.1					10.1	8.2	7.0
290-310	1.6	.9	.4		.2							3.1	6.4	4.5
320-340	2.6	.4										3.0	3.3	3.0
VARIABLE	.1											.1	7.0	7.0
CALM	////////////////////////////////////											16.1	////////////////////////////////	
TOTALS	30.1	30.6	17.8	3.9	1.0	.3	.1					100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.8	.3	.1								3.2	4.4	3.0
020-040	2.0	.9	.4									3.3	4.6	4.0
050-070	3.1	3.7	2.4	.6								9.8	7.2	6.5
(E) 080-100	3.8	3.8	2.1									9.7	5.9	5.0
110-130	2.0	.2	.1									2.3	3.4	3.0
140-160	1.7	1.4										3.1	4.0	4.0
(S) 170-190	.9	1.8	1.8	.3								4.8	8.7	9.0
200-220	2.1	5.6	6.1	2.1	.2							16.1	9.6	10.0
230-250	3.2	5.8	6.8	2.8	.6	.2	.1					19.4	10.2	10.0
(W) 260-280	3.2	2.9	1.8	.6	.2							8.7	7.2	6.0
290-310	1.8	2.2	.7	.1								4.8	6.0	5.0
320-340	1.7	.7										2.3	3.3	3.0
VARIABLE														
CALM	////////////////////											12.4	////////	
TOTALS	27.5	29.8	22.5	6.6	1.0	.2	.1					100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.1	.1									2.7	4.3	4.0
020-040	1.2	1.3	.8	.1								3.4	6.1	6.0
050-070	1.9	4.7	2.4	.3	.1							9.4	7.6	7.0
(E) 080-100	2.8	3.8	1.9	.4								8.9	7.1	6.5
110-130	1.4	.7										2.1	3.3	3.0
140-160	1.4	.8	.2									2.4	4.3	3.5
(S) 170-190	2.2	3.1	2.2	.2								7.8	7.3	8.0
200-220	2.0	4.2	7.8	1.8	.4							16.2	10.0	10.0
230-250	2.9	6.0	5.4	3.3	.7	.2						18.6	10.1	10.0
(W) 260-280	2.7	4.1	2.6	1.7	.1	.3						11.4	9.0	8.0
290-310	1.4	2.0	1.1	.4								5.0	7.4	8.0
320-340	.7	1.7	.6									2.9	6.7	7.0
VARIABLE		.2	.2									.4	10.0	9.0
CALM	////////////////////////////////////											8.7	////////	
TOTALS	22.0	33.7	25.3	8.2	1.3	.5						100.0	7.5	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.6	.3									3.0	5.9	6.0
020-040	1.1	1.3	.8	.1								3.3	6.7	6.0
050-070	2.7	2.7	2.0	.2	.1							7.7	7.0	6.0
(E) 080-100	4.1	4.8	2.0	.2	.1							11.2	6.4	6.0
110-130	2.7	.4										3.1	2.7	2.0
140-160	2.3	1.2										3.6	3.9	3.0
(S) 170-190	2.2	2.3	1.3	.7	.1							6.7	7.5	7.0
200-220	1.7	3.9	5.9	1.3	.1	.1						13.0	10.0	11.0
230-250	2.9	6.1	7.0	1.0	.7							17.7	9.3	9.0
(W) 260-280	3.2	6.1	2.7	.8	.4	.1	.1					13.4	8.5	8.0
290-310	1.6	1.2	1.4									4.2	6.9	6.5
320-340	.8	2.1	.3									3.2	5.8	6.0
VARIABLE		.2										.2	7.5	7.5
CALM	////////////////////											9.7	////////	
TOTALS	26.4	33.9	23.7	4.3	1.5	.2	.1					100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.3	.1									2.1	3.3	3.0
020-040	1.9	1.9	.2	.2								4.2	6.1	5.0
050-070	3.8	5.3	1.0	.3								10.4	6.1	6.0
(E) 080-100	4.7	5.4	1.7	.1								11.9	5.9	6.0
110-130	2.2	.2										2.4	3.0	3.0
140-160	1.4	1.4										2.9	5.0	4.5
(S) 170-190	1.6	1.9	.3	1.0	.3							5.1	9.0	7.5
200-220	2.2	4.4	5.3	1.6	.6							14.1	9.7	10.0
230-250	2.3	8.0	6.3	1.6	.3							18.6	9.2	9.0
(W) 260-280	3.2	4.6	2.2	1.2	.1							11.3	7.7	7.0
290-310	1.2	1.3	.4									3.0	5.7	6.0
320-340	1.9	.9	.2									3.0	4.2	3.0
VARIABLE														
CALM	////////////////////											10.9	////////	
TOTALS	28.1	35.6	17.7	6.0	1.3							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2		.1									2.3	2.8	2.0
020-040	1.9	1.1	.6	.2								3.8	5.4	4.5
050-070	3.9	6.0	1.2	.3								11.4	6.0	6.0
(E) 080-100	4.3	5.0	1.7									11.0	5.8	5.0
110-130	1.1	1.0	.1									2.2	4.1	4.5
140-160	1.6	.9										2.4	4.4	4.0
(S) 170-190	1.8	2.1	.8	.6								5.2	7.1	6.0
200-220	2.0	4.9	5.1	1.3	.1	.3						13.8	9.5	9.5
230-250	3.3	8.3	4.8	2.2	.7	.1	.3					19.8	9.6	8.0
(W) 260-280	3.2	3.7	2.1	.7								9.7	7.2	6.0
290-310	1.6	1.2	.8	.1								3.7	6.0	6.0
320-340	1.4	1.0		.1	.1							2.7	4.9	4.0
VARIABLE														
CALM	////////////////////											12.0	////////	
TOTALS	28.3	35.2	17.3	5.5	.9	.4	.3					100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		2.0	.7	.2	.0								2.9	4.0	3.0
020-040		1.9	1.2	.6	.1								3.8	5.5	5.0
050-070		3.5	4.5	1.7	.3	.0							10.0	6.5	6.0
(E) 080-100		4.4	4.4	1.6	.1	.0							10.5	5.9	5.0
110-130		1.9	.5	.0									2.4	3.3	3.0
140-160		1.5	1.0	.1									2.6	4.4	4.0
(S) 170-190		1.7	2.4	1.2	.4	.1							5.8	7.5	7.0
200-220		2.1	4.9	5.6	1.5	.3	.1						14.5	9.5	10.0
230-250		3.3	6.6	5.9	1.9	.5	.1	.1	.1	.0			18.5	9.5	9.0
(W) 260-280		2.9	3.9	2.1	1.0	.2	.1	.0					10.2	8.1	7.0
290-310		1.6	1.4	.8	.2	.0							3.9	6.5	6.0
320-340		1.4	1.0	.2	.0	.0							2.7	4.7	4.0
VARIABLE												.1	8.9	8.0	
CALM		////////////////////////////////////										12.1	////////////////////////////////		
TOTALS		28.2	32.6	20.0	5.5	1.1	.3	.1	.1				100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.7	.1									2.4	3.9	4.0
020-040	1.2	.9	.9	.2								3.1	7.2	8.0
050-070	2.5	1.7	.7	.0								4.9	5.4	4.0
(E) 080-100	3.8	1.4	.7	.0								6.0	4.8	4.0
110-130	1.5	.4	.0									1.9	3.4	3.0
140-160	1.6	1.2										2.8	4.3	4.0
(S) 170-190	1.7	3.3	1.9	.9	.0							7.8	8.3	8.0
200-220	2.6	7.1	10.3	2.6	.3	.1						23.1	10.0	10.0
230-250	3.5	9.0	9.2	2.4	.3	.0	.0	.0				24.6	9.5	9.0
(W) 260-280	3.5	4.2	1.8	1.2	.3	.0	.0					11.1	7.9	7.0
290-310	1.5	1.0	.2	.0	.0							2.7	4.9	4.0
320-340	.7	.2		.0	.0							1.0	4.8	2.5
VARIABLE														
CALM	////////////////////////////////////											8.7	////////////////////////////////	
TOTALS	25.6	31.0	25.8	7.3	.9	.1						100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 2169

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.6	.3									2.3	4.5	4.0
020-040	2.0	1.0										3.0	3.6	4.0
050-070	3.7	5.4	1.4	.1								10.5	6.0	6.0
(E) 080-100	3.2	3.3	1.3	.2								8.1	6.1	5.0
110-130	1.1	1.1										2.2	4.0	4.0
140-160	1.9	.4	.1	.1								2.6	4.5	3.5
(S) 170-190	1.5	1.8	1.3		.1							4.7	7.2	6.0
200-220	2.8	6.5	5.3	3.2								17.7	9.4	9.0
230-250	3.2	9.4	6.3	2.8	1.2	.1						23.0	9.6	9.0
(W) 260-280	1.5	3.8	2.8	.4	.1							8.6	8.2	8.0
290-310	1.7	2.2	.5	.3								4.7	6.4	6.0
320-340	1.3	1.2	.2	.3								3.0	6.3	5.5
VARIABLE			.2	.1								.3	12.0	10.0
CALM	////////////////////////////////////											9.2	////////////////////////////////	
TOTALS	25.2	36.7	19.7	7.5	1.4	.1						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.9	.1									2.4	4.1	3.0
020-040	2.0	.8	.1									2.9	4.0	4.0
050-070	2.8	5.4	1.7									9.9	6.4	6.0
(E) 080-100	2.7	2.7	1.4	.2								7.0	6.6	6.0
110-130	1.4	.6	.1									2.2	4.4	4.0
140-160	2.0	1.0	.2									3.2	4.2	3.5
(S) 170-190	2.3	2.8	1.4	.2	.1							6.8	6.9	6.0
200-220	3.0	5.9	5.9	2.3	.4							17.5	9.7	9.0
230-250	3.7	6.3	7.0	3.8	1.0							21.7	10.1	10.0
(W) 260-280	1.7	4.4	2.7	.5	.1							9.5	8.3	8.0
290-310	1.4	1.7	.4									3.5	5.3	5.0
320-340	1.3	1.5	.1	.2								3.1	5.9	6.0
VARIABLE														
CALM	////////////////////											10.3	////////	
TOTALS	25.7	34.0	21.1	7.2	1.6							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.3										1.8	3.3	3.0
020-040	1.6	1.1	.3									3.0	5.2	4.0
050-070	2.2	4.1	1.9	.1								8.3	7.0	7.0
(E) 080-100	3.3	2.9	1.7									8.0	5.9	5.5
110-130	1.6	.2										1.8	2.8	3.0
140-160	1.9	1.7										3.7	4.4	4.0
(S) 170-190	2.3	3.5	1.6	.2								7.6	7.1	7.0
200-220	2.7	6.1	4.8	2.2	.2	.1						16.1	9.3	9.0
230-250	3.2	7.8	6.7	3.1	1.2	.1						22.2	10.1	9.5
(W) 260-280	1.8	5.2	2.6	1.0	.2	.1						10.9	8.7	8.0
290-310	1.3	1.2	.6									3.1	5.8	5.0
320-340	1.4	1.6	.3									3.3	5.2	5.0
VARIABLE														
CALM	////////////////////											10.2	////////	
TOTALS	24.8	35.7	20.5	6.6	1.6	.3						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.4	.1									1.5	4.2	2.5
020-040	.9	.8	.3									1.9	5.8	5.0
050-070	3.0	4.0	3.0									10.0	7.2	7.0
(E) 080-100	4.0	2.4	1.9									8.3	5.9	5.0
110-130	1.7	.4										2.2	3.0	2.0
140-160	1.5	1.3	.1									2.9	4.8	4.0
(S) 170-190	2.0	2.7	1.6	.2								6.6	7.2	6.0
200-220	2.9	7.2	5.2	2.3	.1							17.6	8.8	8.0
230-250	2.4	7.5	7.5	4.2	.8	.1						22.5	10.8	10.0
(W) 260-280	3.5	3.2	1.7	.6	.5							9.7	7.8	6.5
290-310	3.3	1.9	.3									5.6	4.8	4.0
320-340	2.2	.5										2.7	3.4	3.0
VARIABLE				.1	.1							.2	18.5	18.5
CALM	////////////////////											8.4	////////	
TOTALS	28.4	32.3	21.7	7.4	1.5	.1						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.9	.3	.1								2.9	4.8	3.0
020-040	1.1	.6	.5									2.3	6.0	5.0
050-070	3.3	4.1	1.7									9.1	6.3	6.0
(E) 080-100	2.9	3.4	1.5									7.8	6.2	6.0
110-130	3.0	.3	.2									3.5	3.1	2.0
140-160	1.8	.6	.1									2.6	3.9	3.0
(S) 170-190	1.9	2.8	2.0	.2								7.0	7.4	7.0
200-220	3.5	7.3	5.7	2.4								18.9	8.9	8.0
230-250	1.7	5.7	8.6	4.8	.4							21.3	11.2	11.0
(W) 260-280	1.8	2.8	4.1	.8	.4							9.9	9.3	10.0
290-310	1.2	1.6	.8									3.5	6.6	7.0
320-340	1.4	1.7	1.4									4.5	6.9	7.0
VARIABLE			.1									.1	11.0	11.0
CALM	////////////////////////////////////											6.5	////////	
TOTALS	25.2	31.8	27.0	8.3	.8							100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.0	.2									2.2	5.0	5.0
020-040	1.4	1.6	.8									3.8	6.5	7.0
050-070	3.9	4.4	.9	.1								9.2	5.5	5.0
(E) 080-100	3.2	3.3	1.3									7.8	6.1	6.0
110-130	2.2	1.0	.3									3.4	4.6	4.0
140-160	1.3	.3	.3									1.9	4.7	3.5
(S) 170-190	2.9	1.8	1.5	.5								6.8	7.2	6.0
200-220	3.2	7.1	6.6	2.7	.2							19.8	9.3	9.0
230-250	2.9	5.3	6.3	3.4	.4	.1						18.5	10.3	10.0
(W) 260-280	1.8	3.0	3.4	1.0	.1							9.4	9.0	9.0
290-310	1.1	2.7	.6	.2	.1							4.7	7.3	7.0
320-340	1.7	1.7	.3									3.8	5.2	5.0
VARIABLE		.1	.1									.2	11.5	11.5
CALM	////////////////////////////////////											8.5	////////	
TOTALS	26.6	33.3	22.6	7.9	.8	.1						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.5	.2									1.9	4.8	3.5
020-040	1.9	1.4	.1	.3								3.8	5.5	4.0
050-070	3.8	4.7	.8	.1								9.4	5.5	5.0
(E) 080-100	4.2	3.4	1.2	.3								9.1	5.8	5.0
110-130	1.8	.6	.4									2.9	4.3	3.0
140-160	1.5	.6	.1									2.3	4.1	4.0
(S) 170-190	2.0	1.5	2.0	.5								6.1	7.9	7.0
200-220	2.5	6.6	7.0	2.5	.3							18.8	9.8	10.0
230-250	3.3	9.0	5.5	2.6	.4	.2						21.1	9.3	8.0
(W) 260-280	1.6	3.0	2.5	.8	.1							8.0	8.6	8.0
290-310	2.2	2.3	1.0		.1							5.5	6.3	5.0
320-340	1.0	.3	.3	.1								1.7	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////	
TOTALS	27.0	33.9	21.1	7.2	.9	.2						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.6	.3									2.5	4.6	4.0
020-040	1.8	1.3	.1	.1								3.3	4.6	4.0
050-070	4.0	3.9	1.1									8.9	5.5	5.0
(E) 080-100	4.3	4.0	1.2									9.5	5.6	5.0
110-130	1.2	.3	.4									1.9	5.5	4.0
140-160	.9	.3	.1									1.3	4.9	4.0
(S) 170-190	4.0	1.5	1.5	.1								7.1	6.0	4.0
200-220	2.6	6.3	7.1	2.5	.4							18.9	9.8	10.0
230-250	2.8	8.3	5.8	2.9	1.4							21.2	9.9	9.0
(W) 260-280	1.6	5.5	2.8	.4								10.3	7.9	7.0
290-310	1.5	1.9	.9									4.3	6.5	7.0
320-340	1.5	.4	.2	.1								2.3	5.3	3.0
VARIABLE	.1											.1	3.0	3.0
CALM	////////////////////////////////////											8.4	////////	
TOTALS	27.8	34.3	21.5	6.1	1.8							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.7	.2	.0								2.2	4.5	3.5
020-040	1.6	1.1	.3	.1								3.0	5.1	4.0
050-070	3.3	4.5	1.6	.1								9.4	6.2	6.0
(E) 080-100	3.5	3.2	1.4	.1								8.2	6.0	5.0
110-130	1.7	.6	.2									2.5	4.0	3.0
140-160	1.6	.8	.1	.0								2.6	4.4	4.0
(S) 170-190	2.4	2.3	1.6	.3	.0							6.6	7.1	6.0
200-220	2.9	6.6	5.9	2.5	.2	.0						18.2	9.4	9.0
230-250	2.9	7.4	6.7	3.5	.8	.1						21.4	10.1	10.0
(W) 260-280	1.9	3.9	2.8	.7	.2	.0						9.5	8.5	8.0
290-310	1.7	1.9	.6	.1	.0							4.4	6.1	6.0
320-340	1.5	1.1	.4	.1								3.1	5.6	5.0
VARIABLE	.0	.0	.1	.0	.0							.1	12.2	11.0
CALM	////////////////////////////////////											8.9	////////////////////////////////	
TOTALS	26.3	34.1	21.9	7.5	1.2	.1						100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	.9	.8	.3	.0								2.0	5.5	5.0
020-040	.7	.8	.6	.1								2.2	7.0	6.0
050-070	2.5	3.0	1.8									7.3	6.5	7.0
(E) 080-100	2.8	2.6	.9	.1								6.5	5.8	5.0
110-130	1.4	.7										2.1	3.8	4.0
140-160	1.9	1.0	.1									3.0	4.1	4.0
(S) 170-190	2.4	2.8	1.6	.3	.0							7.1	7.1	6.0
200-220	3.2	7.5	7.8	3.7	.4							22.7	10.0	10.0
230-250	2.6	8.8	9.5	5.1	1.5	.1						27.6	10.9	10.0
(W) 260-280	2.1	3.9	3.0	.6	.1							9.7	8.1	8.0
290-310	1.4	1.2	.4	.0	.0							3.1	6.0	5.0
320-340	1.2	.4	.0	.0								1.7	4.0	3.0
VARIABLE														
CALM	////////////////////////////////////											5.0	////////////////////////////////	
TOTALS	23.1	33.5	26.0	9.9	2.0	.1						100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 2668

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.8	.4	.0								4.8	4.9	4.0
020-040	2.3	2.0	.6	.1								4.8	5.4	5.0
050-070	4.1	4.8	1.7	.2	.0	.0						10.9	6.2	6.0
(E) 080-100	3.7	4.2	1.2	.2	.0	.0						9.3	6.0	5.0
110-130	1.6	.7	.1									2.3	3.9	3.0
140-160	1.5	.8	.1	.0	.0							2.5	4.5	4.0
(S) 170-190	1.9	2.0	1.1	.3	.1	.0						5.3	7.0	6.0
200-220	2.3	5.0	4.0	1.3	.3	.1	.0	.0	.0			13.0	9.1	8.0
230-250	2.7	6.5	5.5	1.9	.5	.1	.0	.0	.0			17.3	9.4	9.0
(W) 260-280	2.5	4.1	2.5	.7	.2	.0	.0	.0	.0			10.0	8.0	7.0
290-310	2.2	2.0	.8	.2	.0	.0	.0					5.2	6.2	5.0
320-340	2.1	1.6	.6	.1	.0	.0						4.4	5.5	5.0
VARIABLE	.0	.4	.3	.0	.0	.0	.0					.7	9.6	9.0
CALM	////////////////////////////////////											9.4	////////////////////////////////	
TOTALS	29.5	35.9	18.9	5.0	1.1	.2						100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS: 86933

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.5	1.3	.4	.0							3.3	5.3	0
020-040	1.4	1.2	.6	.1							3.3	6.1	5.5
050-070	2.9	3.6	1.6	.1	.0						8.2	6.4	6.0
(E) 080-100	3.1	3.1	.8	.1							7.1	5.6	5.0
110-130	1.3	.4	.0								1.7	3.5	3.0
140-160	1.3	.8	.1	.0							2.2	4.5	4.0
(S) 170-190	1.8	2.3	1.4	.4	.2						6.0	7.8	7.0
200-220	2.5	6.6	7.0	2.8	.6	.1					19.6	10.1	10.0
230-250	2.7	8.1	8.6	3.5	.9	.2	.0	.0			24.1	10.4	10.0
(W) 260-280	2.3	3.9	2.4	.8	.2	.1	.0				9.7	8.3	7.0
290-310	1.7	1.3	.4	.1	.0	.0	.0				3.6	6.0	5.0
320-340	1.4	.7	.3	.1	.0						2.6	5.4	4.0
VARIABLE													
CALM	////////////////////////////////////										8.6	////////////////////////////////	
TOTALS	23.9	33.3	23.6	8.0	1.9	.4					100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS: 19068



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DLDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

D - 1 - 1

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.4	13.0	14.2	15.6	16.8	17.5	18.4	18.7	18.9	19.4	19.5	19.8	20.0	20.1	20.3	20.7
GE 20000	13.8	14.4	15.8	17.2	18.4	19.2	20.0	20.3	20.6	21.0	21.1	21.4	21.6	21.7	22.0	22.3
GE 18000	13.8	14.4	15.8	17.2	18.4	19.2	20.0	20.3	20.6	21.0	21.1	21.4	21.6	21.7	22.0	22.3
GE 16000	13.8	14.4	15.8	17.2	18.4	19.2	20.0	20.3	20.6	21.0	21.1	21.4	21.6	21.7	22.0	22.3
GE 14000	13.8	14.4	15.8	17.2	18.4	19.2	20.0	20.3	20.6	21.0	21.1	21.4	21.6	21.7	22.0	22.3
GE 12000	13.8	14.4	15.8	17.2	18.4	19.2	20.0	20.3	20.6	21.0	21.1	21.4	21.6	21.7	22.0	22.3
GE 10000	14.5	15.2	16.8	18.3	19.5	20.2	21.1	21.4	21.6	22.1	22.2	22.5	22.7	22.8	23.0	23.4
GE 9000	14.6	15.3	16.9	18.5	19.7	20.5	21.3	21.6	21.9	22.3	22.4	22.7	22.9	23.0	23.3	23.6
GE 8000	15.2	15.8	17.8	19.4	20.6	21.3	22.2	22.5	22.7	23.1	23.3	23.6	23.8	23.9	24.1	24.4
GE 7000	15.5	16.1	18.1	19.7	20.9	21.6	22.5	22.8	23.0	23.5	23.6	23.9	24.1	24.2	24.4	24.8
GE 6000	15.5	16.1	18.1	19.7	20.9	21.6	22.5	22.8	23.0	23.5	23.6	23.9	24.1	24.2	24.4	24.8
GE 5000	15.7	16.4	18.5	20.1	21.3	22.1	22.9	23.3	23.5	23.9	24.0	24.3	24.5	24.7	24.9	25.2
GE 4500	17.2	18.0	20.2	21.9	23.0	23.8	24.7	25.0	25.4	25.8	25.9	26.3	26.5	26.6	26.8	27.1
GE 4000	18.9	19.7	22.4	24.0	25.2	25.9	26.8	27.1	27.6	28.0	28.1	28.4	28.6	28.7	29.0	29.3
GE 3500	21.3	22.2	25.0	26.7	27.9	28.6	29.5	29.8	30.2	30.7	30.8	31.1	31.3	31.4	31.6	32.0
GE 3000	23.4	24.2	27.0	28.7	29.9	30.8	31.8	32.1	32.5	32.9	33.0	33.4	33.6	33.7	33.9	34.2
GE 2500	26.4	27.2	30.4	32.2	33.7	34.6	35.5	36.0	36.4	36.8	36.9	37.2	37.5	37.6	37.8	38.1
GE 2000	30.1	31.0	34.4	36.3	38.1	39.2	40.2	40.8	41.3	42.0	42.1	42.4	42.6	42.7	42.9	43.3
GE 1800	31.5	32.4	35.8	37.8	39.9	41.0	42.0	42.6	43.2	43.9	44.0	44.3	44.6	44.7	44.9	45.2
GE 1500	35.7	36.7	40.7	43.2	45.6	46.9	48.1	49.3	49.8	50.9	51.0	51.3	51.6	51.7	51.9	52.2
GE 1200	38.9	39.8	44.1	46.9	49.6	51.0	52.3	53.6	54.1	55.3	55.4	55.8	56.0	56.1	56.3	56.6
GE 1000	41.7	42.6	47.5	50.5	53.9	55.4	56.7	58.2	58.9	60.2	60.3	60.7	60.9	61.0	61.2	61.6
GE 900	42.4	43.4	48.3	51.6	55.0	56.5	57.8	59.3	60.0	61.4	61.6	62.0	62.2	62.3	62.5	62.9
GE 800	43.7	44.7	49.7	53.2	56.6	58.4	59.8	61.5	62.1	63.7	63.9	64.4	64.6	64.7	64.9	65.2
GE 700	45.2	46.2	51.8	55.4	59.6	61.6	63.1	64.9	65.7	67.9	68.1	68.6	68.8	68.9	69.1	69.4
GE 600	46.1	47.0	53.5	57.4	62.3	64.5	66.3	68.4	69.3	71.6	71.8	72.3	72.6	72.7	72.9	73.2
GE 500	47.7	48.7	55.3	59.6	65.8	68.0	70.2	72.6	73.8	76.2	76.5	77.2	77.5	77.7	77.9	78.3
GE 400	47.7	48.7	55.3	59.6	66.2	68.5	70.7	73.2	74.7	77.8	78.3	78.9	79.3	79.4	79.7	80.0
GE 300	47.7	48.7	55.3	59.8	66.6	68.9	71.6	74.5	76.3	80.0	80.6	81.4	81.8	81.9	82.1	82.6
GE 200	47.7	48.7	55.3	60.0	67.1	69.6	72.3	75.5	78.0	82.5	83.1	84.0	84.9	85.6	86.2	88.7
GE 100	47.7	48.7	55.3	60.0	67.2	69.8	72.4	75.6	78.1	83.6	84.7	85.9	87.7	89.6	90.9	99.5
GE 000	47.7	48.7	55.3	60.0	67.2	69.8	72.4	75.6	78.1	83.6	84.7	85.9	87.7	89.6	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.7	12.8	14.2	14.4	16.1	17.2	17.7	18.3	18.7	18.9	19.1	19.1	19.4	19.5	19.8	20.3
GE 20000	13.8	13.9	15.4	15.6	17.4	18.6	19.1	19.8	20.2	20.4	20.6	20.6	20.9	21.0	21.3	21.8
GE 18000	13.8	13.9	15.4	15.6	17.4	18.6	19.1	19.8	20.2	20.4	20.6	20.6	20.9	21.0	21.3	21.8
GE 16000	13.8	13.9	15.4	15.6	17.4	18.6	19.1	19.8	20.2	20.4	20.6	20.6	20.9	21.0	21.3	21.8
GE 14000	13.8	13.9	15.4	15.6	17.4	18.6	19.1	19.8	20.2	20.4	20.6	20.6	20.9	21.0	21.3	21.8
GE 12000	13.8	13.9	15.4	15.6	17.4	18.6	19.1	19.8	20.2	20.4	20.6	20.6	20.9	21.0	21.3	21.8
GE 10000	14.1	14.3	15.9	16.1	18.0	19.1	19.7	20.3	20.8	21.0	21.2	21.2	21.4	21.5	21.8	22.4
GE 9000	14.2	14.4	16.0	16.2	18.1	19.5	20.0	20.6	21.1	21.3	21.5	21.5	21.7	21.8	22.2	22.7
GE 8000	14.7	14.9	16.7	16.9	18.8	20.2	20.8	21.4	21.8	22.0	22.3	22.3	22.5	22.6	22.9	23.4
GE 7000	15.2	15.4	17.1	17.3	19.2	20.6	21.3	22.0	22.5	22.7	22.9	22.9	23.1	23.2	23.5	24.1
GE 6000	15.4	15.6	17.3	17.5	19.5	20.9	21.5	22.3	22.7	22.9	23.1	23.1	23.3	23.4	23.8	24.3
GE 5000	15.8	16.0	18.0	18.2	20.1	21.5	22.2	22.9	23.3	23.5	23.8	23.8	24.0	24.1	24.4	24.9
GE 4500	16.8	17.0	19.2	19.5	21.4	22.8	23.4	24.3	24.8	25.1	25.3	25.3	25.5	25.6	25.9	26.5
GE 4000	17.6	17.8	20.5	20.8	22.8	24.2	24.8	25.7	26.2	26.5	26.7	26.7	26.9	27.0	27.3	27.8
GE 3500	19.6	19.8	22.6	22.8	24.8	26.2	26.9	27.7	28.3	28.5	28.7	28.7	28.9	29.0	29.4	29.9
GE 3000	21.2	21.4	24.2	24.4	26.5	27.8	28.5	29.4	29.9	30.1	30.3	30.3	30.5	30.6	31.0	31.5
GE 2500	23.4	23.7	26.6	26.8	28.9	30.3	31.0	31.8	32.4	32.6	32.8	32.8	33.0	33.1	33.4	34.0
GE 2000	28.1	28.4	31.5	31.7	34.0	35.6	36.3	37.2	37.7	38.0	38.2	38.2	38.4	38.5	38.8	39.4
GE 1800	30.1	30.4	33.8	34.1	36.6	38.2	38.9	39.8	40.3	40.5	40.8	40.8	41.0	41.1	41.4	41.9
GE 1500	34.7	35.2	38.7	39.5	42.3	44.0	45.1	46.5	47.2	47.7	48.0	48.0	48.2	48.3	48.6	49.1
GE 1200	37.5	38.0	41.7	42.7	45.7	47.4	48.5	50.1	51.0	51.6	51.8	51.8	52.0	52.2	52.5	52.0
GE 1000	39.8	40.2	44.3	45.7	49.5	51.7	53.0	54.9	55.8	56.8	57.0	57.2	57.4	57.5	57.8	58.4
GE 900	41.1	41.5	46.1	47.6	51.5	53.8	55.1	57.0	57.8	58.8	59.0	59.2	59.5	59.6	59.9	60.4
GE 800	43.2	43.8	48.6	50.3	54.5	57.1	58.4	60.4	61.5	62.7	63.0	63.2	63.4	63.5	63.9	64.4
GE 700	44.9	45.7	51.0	53.1	58.2	61.1	62.4	64.5	65.7	67.3	67.6	67.8	68.1	68.2	68.5	69.0
GE 600	45.6	46.3	52.4	54.6	60.6	63.7	65.2	67.4	68.7	70.4	70.8	71.0	71.2	71.3	71.6	72.2
GE 500	45.7	46.5	53.3	56.0	63.0	66.1	68.1	71.1	72.6	74.6	74.9	75.2	75.4	75.5	75.8	76.3
GE 400	45.8	46.6	53.5	56.2	63.8	66.9	68.9	72.0	74.1	76.2	76.7	76.9	77.2	77.3	77.6	78.2
GE 300	45.9	46.7	53.7	56.6	64.7	68.1	70.6	74.0	76.5	79.1	79.7	80.0	80.3	80.4	80.8	81.5
GE 200	45.9	46.7	53.8	56.8	65.3	68.7	71.4	74.9	77.5	81.4	82.5	82.9	83.4	83.9	84.6	86.6
GE 100	45.9	46.7	53.8	56.8	65.4	68.8	71.5	75.2	77.8	82.3	83.7	84.7	86.7	88.0	90.0	99.2
GE 000	45.9	46.7	53.8	56.8	65.4	68.8	71.5	75.2	77.8	82.3	83.7	84.7	86.7	88.0	90.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 8 - MAR 91  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.2	12.4	13.7	14.7	15.6	16.1	16.7	17.0	17.3	17.6	17.7	17.7	17.8	18.1	18.4	18.9
GE 20000	14.3	14.5	16.1	17.3	18.3	18.8	19.4	19.7	20.0	20.3	20.4	20.4	20.5	20.8	21.2	21.8
GE 18000	14.4	14.6	16.2	17.4	18.4	18.9	19.5	19.8	20.1	20.4	20.5	20.5	20.6	20.9	21.3	21.9
GE 16000	14.4	14.6	16.2	17.4	18.4	18.9	19.5	19.8	20.1	20.4	20.5	20.5	20.6	20.9	21.3	21.9
GE 14000	14.4	14.6	16.2	17.4	18.4	18.9	19.5	19.8	20.1	20.4	20.5	20.5	20.6	20.9	21.3	21.9
GE 12000	14.5	14.7	16.3	17.5	18.5	19.0	19.6	19.9	20.2	20.6	20.8	20.8	20.9	21.1	21.5	22.2
GE 10000	15.1	15.3	17.0	18.2	19.1	19.7	20.2	20.5	20.9	21.3	21.4	21.4	21.5	21.8	22.3	22.9
GE 9000	15.1	15.3	17.0	18.2	19.1	19.7	20.2	20.5	20.9	21.3	21.4	21.4	21.5	21.8	22.3	22.9
GE 8000	15.5	15.7	17.5	18.7	19.7	20.3	20.9	21.2	21.5	21.9	22.0	22.0	22.2	22.5	22.9	23.5
GE 7000	15.5	15.7	17.6	18.9	20.0	20.6	21.2	21.5	21.8	22.3	22.4	22.4	22.5	22.8	23.2	23.9
GE 6000	15.6	15.8	17.7	19.0	20.1	20.8	21.3	21.6	21.9	22.4	22.5	22.5	22.6	22.9	23.3	24.0
GE 5000	15.9	16.1	18.3	19.6	20.6	21.3	21.8	22.2	22.5	22.9	23.0	23.0	23.1	23.4	23.9	24.5
GE 4500	16.1	16.3	18.5	20.0	21.1	21.7	22.3	22.6	22.9	23.3	23.4	23.4	23.5	23.9	24.3	24.9
GE 4000	16.9	17.1	19.4	20.9	21.9	22.6	23.1	23.4	23.8	24.2	24.3	24.3	24.4	24.7	25.2	25.8
GE 3500	18.0	18.2	20.6	22.2	23.3	24.0	24.5	24.9	25.3	25.7	25.8	25.8	25.9	26.2	26.7	27.3
GE 3000	20.6	21.0	23.7	25.2	26.6	27.2	27.7	28.3	28.6	29.1	29.2	29.2	29.4	29.7	30.1	30.8
GE 2500	23.3	23.8	26.7	28.3	29.5	30.5	31.1	31.6	31.9	32.6	32.7	32.7	32.8	33.1	33.5	34.2
GE 2000	27.7	28.2	31.4	33.2	35.1	36.1	36.7	37.4	37.7	38.4	38.5	38.5	38.6	38.9	39.4	40.0
GE 1800	28.8	29.2	32.5	34.4	36.2	37.3	37.8	38.6	39.0	39.7	39.8	39.8	39.9	40.2	40.6	41.3
GE 1500	33.5	34.1	37.8	39.9	42.2	43.3	43.9	44.7	45.2	45.8	45.9	45.9	46.0	46.3	46.8	47.4
GE 1200	37.4	38.1	42.4	44.9	47.5	48.8	49.7	50.8	51.6	52.5	52.6	52.6	52.7	53.0	53.4	54.1
GE 1000	39.4	40.2	45.1	47.8	50.9	52.7	53.7	54.9	55.8	56.7	56.8	56.8	56.9	57.2	57.6	58.3
GE 900	40.3	41.2	46.0	48.8	51.8	53.7	54.7	56.0	56.9	57.7	57.8	57.8	58.0	58.3	58.7	59.4
GE 800	42.6	43.4	48.6	51.5	54.7	56.7	57.8	59.1	60.1	61.4	61.5	61.5	61.6	61.9	62.4	63.0
GE 700	44.5	45.4	51.1	54.7	58.6	60.5	61.8	63.2	64.2	65.7	65.8	65.8	66.0	66.3	66.8	67.4
GE 600	45.2	46.0	52.2	56.2	60.6	62.6	63.9	65.3	66.3	68.0	68.1	68.1	68.3	68.6	69.0	69.7
GE 500	45.4	46.3	53.2	57.6	63.0	65.1	66.5	67.8	69.0	70.8	70.9	70.9	71.1	71.5	71.9	72.6
GE 400	45.7	46.7	53.7	58.5	64.8	66.9	68.3	70.2	71.4	73.2	73.3	73.3	73.5	74.0	74.5	75.2
GE 300	46.1	47.1	54.2	59.2	66.6	68.7	70.4	72.8	74.2	76.7	76.9	76.9	77.1	77.5	78.3	79.1
GE 200	46.1	47.1	54.2	59.4	66.9	69.1	71.2	74.6	76.3	80.5	82.4	82.6	83.1	84.0	85.1	87.3
GE 100	46.1	47.1	54.2	59.6	67.1	69.4	71.5	75.1	77.1	82.3	84.3	84.6	85.7	87.3	89.8	99.1
GE 000	46.1	47.1	54.2	59.6	67.1	69.4	71.5	75.1	77.1	82.3	84.3	84.6	85.7	87.3	89.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.9	8.9	9.4	9.5	11.4	11.9	12.0	12.8	12.8	12.9	13.3	13.7	13.8	14.1	14.2	14.5
GE 20000	10.1	10.1	11.4	11.6	13.7	14.2	14.3	15.1	15.1	15.3	15.7	16.0	16.1	16.5	16.6	17.3
GE 18000	10.2	10.2	11.5	11.7	13.8	14.3	14.4	15.2	15.2	15.4	15.8	16.1	16.2	16.6	16.7	17.4
GE 16000	10.3	10.3	11.6	11.8	13.9	14.4	14.5	15.3	15.3	15.5	15.9	16.2	16.3	16.7	16.8	17.5
GE 14000	10.5	10.5	11.8	12.0	14.1	14.6	14.7	15.5	15.5	15.7	16.1	16.5	16.6	16.9	17.0	17.7
GE 12000	11.4	11.4	12.7	12.9	14.9	15.5	15.6	16.3	16.3	16.6	17.0	17.3	17.4	17.7	17.8	18.6
GE 10000	11.4	11.4	13.1	13.4	15.5	16.0	16.1	16.9	16.9	17.1	17.6	18.0	18.1	18.4	18.5	19.2
GE 9000	11.5	11.5	13.4	13.8	15.8	16.3	16.5	17.2	17.2	17.5	18.1	18.4	18.5	18.8	18.9	19.7
GE 8000	12.4	12.5	14.6	14.9	17.2	17.7	17.8	18.6	18.6	18.9	19.5	19.8	19.9	20.2	20.3	21.1
GE 7000	12.7	12.8	15.1	15.4	18.3	18.8	18.9	19.8	19.8	20.2	20.8	21.1	21.2	21.5	21.6	22.4
GE 6000	12.8	12.9	15.2	15.5	18.4	18.9	19.0	19.9	19.9	20.3	20.9	21.2	21.3	21.6	21.7	22.5
GE 5000	13.0	13.1	15.4	15.7	18.6	19.1	19.4	20.2	20.2	20.6	21.4	21.7	21.8	22.2	22.3	23.0
GE 4500	13.3	13.4	15.7	16.0	19.0	19.7	19.9	20.8	20.8	21.2	21.9	22.3	22.5	22.8	22.9	23.7
GE 4000	14.0	14.1	16.3	16.7	19.8	20.4	20.6	21.5	21.5	21.9	22.7	23.0	23.2	23.5	23.7	24.4
GE 3500	15.1	15.2	17.5	17.8	21.2	21.9	22.2	23.0	23.0	23.4	24.3	24.6	24.8	25.2	25.3	26.0
GE 3000	17.4	17.5	20.2	20.5	24.0	24.7	25.1	25.9	26.0	26.5	27.4	27.7	28.0	28.3	28.4	29.1
GE 2500	21.1	21.3	24.1	24.5	28.0	28.9	29.2	30.1	30.4	31.1	32.3	32.6	32.8	33.1	33.2	34.0
GE 2000	24.5	25.3	28.2	28.7	32.5	33.7	34.6	35.9	36.8	37.4	38.6	38.9	39.1	39.5	39.7	40.4
GE 1800	25.4	26.1	29.0	29.6	33.3	34.5	35.8	36.8	37.7	38.4	39.6	39.9	40.1	40.4	40.6	41.4
GE 1500	28.6	29.4	32.7	33.4	37.4	38.7	39.9	41.2	42.2	42.9	44.2	44.5	44.7	45.1	45.3	46.0
GE 1200	32.8	33.5	37.6	38.7	43.1	44.6	46.1	47.8	48.9	50.1	51.5	51.8	52.0	52.4	52.6	53.3
GE 1000	35.1	35.9	40.8	41.8	46.5	48.3	50.5	52.3	53.4	54.7	56.1	56.5	56.8	57.1	57.3	58.1
GE 900	36.0	36.9	42.2	43.3	48.0	49.8	52.0	53.8	54.9	56.7	58.1	58.4	58.7	59.0	59.2	60.0
GE 800	37.2	38.1	44.4	46.0	51.2	53.2	55.7	57.5	58.8	60.6	62.0	62.4	62.7	63.0	63.2	64.0
GE 700	37.7	38.6	45.5	47.3	53.5	55.9	58.7	61.1	62.4	64.2	65.7	66.1	66.5	66.8	67.0	67.7
GE 600	38.0	38.9	46.5	48.6	55.4	57.7	60.5	63.0	64.3	66.7	68.2	68.6	68.9	69.2	69.5	70.2
GE 500	38.3	39.2	47.6	50.0	57.5	60.0	63.7	66.8	68.2	70.8	72.4	73.0	73.3	73.7	73.9	74.6
GE 400	38.3	39.2	47.7	50.2	58.1	61.0	65.4	69.6	71.5	74.7	76.6	77.4	77.7	78.1	78.5	79.2
GE 300	38.3	39.2	48.0	50.6	58.8	62.0	66.8	71.6	73.9	78.2	80.6	81.5	81.8	82.2	82.6	83.5
GE 200	38.3	39.2	48.0	50.6	58.8	62.0	67.1	72.5	74.9	80.3	83.1	84.2	84.6	85.5	86.5	89.0
GE 100	38.3	39.2	48.1	50.8	58.9	62.2	67.2	72.6	75.1	80.9	83.8	85.3	85.8	87.6	89.4	99.1
GE 000	38.3	39.2	48.1	50.8	58.9	62.2	67.2	72.6	75.1	80.9	83.8	85.3	85.8	87.6	89.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.7	8.9	9.9	10.4	11.9	12.2	12.5	12.7	13.0	13.6	13.9	13.9	13.9	14.0	14.0	14.3
GE 20000	10.4	10.7	12.1	12.7	14.2	14.4	14.7	15.1	15.4	15.9	16.3	16.3	16.3	16.4	16.4	16.7
GE 18000	10.4	10.7	12.1	12.7	14.2	14.4	14.9	15.2	15.5	16.0	16.4	16.4	16.4	16.5	16.5	16.8
GE 16000	10.4	10.7	12.1	12.7	14.2	14.4	14.9	15.2	15.5	16.0	16.4	16.4	16.4	16.5	16.5	16.8
GE 14000	10.4	10.7	12.1	12.7	14.3	14.5	15.0	15.4	15.7	16.3	16.6	16.6	16.6	16.7	16.7	17.0
GE 12000	11.0	11.2	12.7	13.3	15.1	15.3	15.8	16.3	16.6	17.1	17.4	17.4	17.4	17.5	17.5	17.9
GE 10000	12.2	12.4	13.9	14.5	16.3	16.5	17.0	17.4	17.8	18.3	18.6	18.6	18.6	18.7	18.7	19.1
GE 9000	12.6	12.8	14.4	15.1	16.8	17.0	17.5	18.0	18.3	18.8	19.2	19.2	19.2	19.3	19.3	19.6
GE 8000	13.9	14.2	16.0	16.8	18.5	18.7	19.3	19.7	20.0	20.6	20.9	20.9	20.9	21.0	21.0	21.3
GE 7000	14.3	14.6	16.5	17.3	19.1	19.3	19.8	20.5	20.9	21.5	21.9	21.9	21.9	22.0	22.0	22.3
GE 6000	14.3	14.6	16.5	17.3	19.1	19.3	19.8	20.5	20.9	21.5	21.9	21.9	21.9	22.0	22.0	22.3
GE 5000	14.7	15.1	17.0	18.0	19.8	20.0	20.7	21.3	21.7	22.4	22.7	22.7	22.7	22.8	22.8	23.1
GE 4500	15.1	15.4	17.3	18.3	20.2	20.5	21.2	22.1	22.5	23.1	23.5	23.5	23.5	23.6	23.6	23.9
GE 4000	15.8	16.3	18.4	19.4	21.5	21.7	22.5	23.4	23.8	24.4	24.8	24.8	24.8	24.9	24.9	25.2
GE 3500	16.6	17.0	19.3	20.2	22.5	22.7	23.5	24.3	24.8	25.4	25.7	25.7	25.7	25.8	25.8	26.2
GE 3000	19.2	19.6	22.1	23.1	25.4	25.6	26.4	27.3	27.8	28.4	28.7	28.7	28.7	28.8	28.8	29.2
GE 2500	22.1	22.5	25.0	26.4	28.7	29.0	29.7	30.9	31.4	32.2	32.5	32.5	32.5	32.6	32.6	32.9
GE 2000	27.7	28.1	30.8	32.2	34.7	35.4	36.5	37.7	38.8	39.8	40.2	40.2	40.2	40.3	40.3	40.7
GE 1800	29.8	30.2	32.9	34.4	36.9	37.7	38.8	39.9	41.0	42.2	42.5	42.5	42.5	42.6	42.6	43.1
GE 1500	36.0	36.7	40.3	42.0	44.9	45.7	47.0	48.3	49.5	50.7	51.0	51.0	51.1	51.2	51.3	51.8
GE 1200	38.8	39.5	43.8	45.7	49.0	49.9	51.5	53.1	54.4	55.7	56.2	56.2	56.3	56.4	56.5	56.9
GE 1000	41.0	41.8	46.7	48.7	52.5	53.7	55.5	57.4	58.7	60.2	60.8	60.8	61.2	61.4	61.5	61.9
GE 900	42.2	42.9	49.0	51.0	55.3	56.6	58.8	60.7	62.1	63.8	64.5	64.5	64.9	65.0	65.1	65.6
GE 800	42.3	43.1	49.5	51.9	56.4	57.7	60.3	62.9	64.3	66.1	66.8	67.0	67.4	67.5	67.6	68.0
GE 700	42.8	43.6	50.5	53.1	58.3	59.7	62.5	65.9	67.5	69.8	70.5	70.6	71.0	71.3	71.4	71.8
GE 600	43.3	44.0	51.2	54.0	59.6	61.0	63.8	67.3	69.0	71.4	72.4	72.6	73.0	73.2	73.3	73.7
GE 500	43.7	44.5	52.2	55.4	62.0	63.7	67.0	71.6	73.6	76.2	77.4	77.5	78.0	78.3	78.4	78.8
GE 400	43.9	44.7	52.4	55.8	63.1	64.8	68.2	73.6	76.2	79.7	81.6	81.9	82.8	83.0	83.3	83.7
GE 300	43.9	44.7	52.4	55.9	63.6	65.6	69.3	75.3	78.8	82.8	84.8	85.1	86.1	86.5	87.1	87.5
GE 200	43.9	44.7	52.4	55.9	63.7	65.7	69.5	76.1	79.9	85.3	87.4	87.8	89.1	89.7	90.5	91.7
GE 100	43.9	44.7	52.4	55.9	63.7	65.7	69.5	76.1	80.2	86.2	88.6	89.3	90.6	91.4	93.0	99.5
GE 000	43.9	44.7	52.4	55.9	63.7	65.7	69.5	76.1	80.2	86.2	88.6	89.3	90.6	91.4	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.1	11.2	11.7	12.8	13.1	13.3	13.7	14.4	14.4	14.9	14.9	14.9	15.0	15.0	15.0	15.3
GE 20000	13.7	14.0	15.6	16.9	17.5	17.8	18.1	19.2	19.2	19.7	19.7	19.7	19.8	19.8	19.8	20.1
GE 18000	13.9	14.2	15.8	17.1	17.8	18.0	18.4	19.5	19.5	20.0	20.0	20.0	20.1	20.1	20.1	20.5
GE 16000	13.9	14.2	15.8	17.1	17.8	18.0	18.4	19.5	19.5	20.0	20.0	20.0	20.1	20.1	20.1	20.5
GE 14000	14.0	14.3	15.9	17.2	17.9	18.1	18.5	19.6	19.6	20.1	20.1	20.1	20.2	20.2	20.2	20.6
GE 12000	14.6	15.0	16.6	17.9	18.6	18.8	19.3	20.3	20.3	20.9	20.9	20.9	21.0	21.0	21.0	21.3
GE 10000	15.4	15.7	17.4	18.8	19.7	19.9	20.3	21.4	21.4	22.0	22.0	22.0	22.1	22.1	22.1	22.4
GE 9000	15.7	16.0	17.8	19.2	20.0	20.2	20.7	21.7	21.7	22.3	22.3	22.3	22.4	22.4	22.4	22.7
GE 8000	16.8	17.1	18.8	20.2	21.1	21.3	21.9	22.9	22.9	23.5	23.5	23.5	23.6	23.6	23.6	23.9
GE 7000	17.0	17.3	19.1	20.5	21.3	21.5	22.1	23.4	23.4	23.9	23.9	23.9	24.0	24.0	24.0	24.3
GE 6000	17.1	17.4	19.2	20.6	21.5	21.7	22.3	23.6	23.6	24.1	24.1	24.1	24.2	24.2	24.2	24.5
GE 5000	17.9	18.2	19.9	21.3	22.6	22.8	23.4	24.8	24.8	25.3	25.3	25.3	25.4	25.4	25.4	25.7
GE 4500	18.2	18.5	20.2	21.6	22.9	23.3	24.1	25.7	25.7	26.3	26.3	26.3	26.4	26.4	26.4	26.7
GE 4000	19.7	20.0	21.9	23.3	24.7	25.0	25.8	27.4	27.4	28.0	28.0	28.0	28.1	28.1	28.1	28.4
GE 3500	21.3	21.6	23.5	24.9	26.3	26.6	27.4	29.1	29.1	29.6	29.6	29.6	29.7	29.7	29.7	30.0
GE 3000	25.6	26.0	28.1	29.5	31.0	31.5	32.5	34.4	34.4	35.0	35.0	35.0	35.1	35.1	35.1	35.4
GE 2500	31.1	32.0	34.3	36.1	37.7	38.2	39.3	41.2	41.2	41.8	41.8	41.8	41.9	41.9	41.9	42.2
GE 2000	36.6	37.8	41.2	43.4	45.4	46.2	47.3	49.3	49.4	50.3	50.3	50.3	50.4	50.4	50.4	50.7
GE 1800	37.7	38.9	42.8	45.0	47.0	47.8	48.9	50.9	51.0	51.9	51.9	51.9	52.0	52.0	52.0	52.3
GE 1500	41.9	43.2	47.9	50.3	52.6	53.6	54.7	56.8	56.9	57.8	57.8	57.8	57.9	57.9	57.9	58.2
GE 1200	44.3	45.7	51.0	53.5	56.7	57.9	59.1	61.6	61.9	63.0	63.3	63.3	63.4	63.4	63.4	63.7
GE 1000	45.7	47.1	52.5	55.2	59.1	60.6	61.9	64.7	65.0	66.1	66.4	66.5	66.7	66.7	66.7	67.1
GE 900	46.8	48.2	53.7	56.6	60.6	62.1	63.4	66.3	66.6	67.7	68.1	68.4	68.6	68.6	68.6	69.0
GE 800	47.4	48.8	55.4	58.6	62.8	64.5	66.0	69.3	69.6	71.0	71.7	71.9	72.1	72.1	72.1	72.6
GE 700	48.0	49.5	56.3	59.6	64.4	66.2	67.8	71.5	71.8	73.7	74.5	74.7	75.1	75.2	75.2	75.7
GE 600	48.1	49.6	57.1	60.5	65.6	67.5	69.1	73.1	73.4	75.6	76.5	76.7	77.2	77.3	77.3	77.7
GE 500	48.3	49.8	57.7	61.4	67.2	69.6	71.6	75.8	76.2	78.5	79.9	80.4	80.8	81.1	81.2	81.6
GE 400	48.4	49.9	58.0	62.1	68.5	71.2	73.4	77.9	78.7	81.2	83.0	85.9	84.6	84.9	85.0	85.5
GE 300	48.4	49.9	58.0	62.6	69.2	72.1	75.0	80.4	81.3	84.6	87.2	88.2	88.9	89.5	89.7	90.1
GE 200	48.4	49.9	58.0	62.6	69.4	72.4	75.5	81.2	82.2	86.1	89.3	90.4	91.4	91.9	92.1	93.0
GE 100	48.4	49.9	58.0	62.6	69.4	72.4	75.5	81.2	82.3	86.5	89.8	90.9	92.2	93.6	94.5	99.5
GE 000	48.4	49.9	58.0	62.6	69.4	72.4	75.5	81.2	82.3	86.5	89.8	90.9	92.2	93.6	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.7	18.2	18.8	19.6	20.4	20.4	20.8	21.3	21.4	21.9	22.0	22.0	22.2	22.2	22.2	22.3
GE 20000	19.9	20.3	21.1	22.2	23.2	23.2	23.5	24.1	24.2	24.7	24.8	24.8	24.9	24.9	24.9	25.1
GE 18000	19.9	20.3	21.1	22.2	23.2	23.2	23.7	24.2	24.3	24.8	24.9	24.9	25.1	25.1	25.1	25.2
GE 16000	19.9	20.3	21.1	22.2	23.2	23.2	23.7	24.2	24.3	24.8	24.9	24.9	25.1	25.1	25.1	25.2
GE 14000	19.9	20.3	21.1	22.2	23.2	23.2	23.8	24.3	24.4	24.9	25.1	25.1	25.2	25.2	25.2	25.3
GE 12000	20.0	20.4	21.2	22.3	23.3	23.3	23.9	24.4	24.5	25.1	25.2	25.2	25.3	25.3	25.3	25.4
GE 10000	20.5	21.0	21.8	22.9	24.0	24.0	24.5	25.3	25.4	25.9	26.0	26.0	26.1	26.1	26.1	26.2
GE 9000	21.4	21.9	22.8	23.9	24.9	24.9	25.5	26.2	26.3	26.9	27.0	27.0	27.1	27.1	27.1	27.2
GE 8000	22.9	23.4	24.4	25.5	26.6	26.6	27.1	27.8	28.0	28.5	28.6	28.6	28.7	28.7	28.7	28.8
GE 7000	22.9	23.4	24.4	25.5	26.6	26.6	27.1	28.0	28.1	28.6	28.7	28.7	28.8	28.8	28.8	28.9
GE 6000	23.1	23.7	24.6	25.7	27.0	27.0	27.5	28.4	28.5	29.0	29.1	29.1	29.2	29.2	29.2	29.4
GE 5000	23.5	24.1	25.1	26.1	27.4	27.4	28.0	28.8	28.9	29.5	29.6	29.6	29.7	29.7	29.7	29.8
GE 4500	24.5	25.1	26.1	27.2	28.6	28.6	29.2	30.2	30.3	30.9	31.0	31.0	31.1	31.1	31.1	31.2
GE 4000	26.1	26.7	27.8	28.9	30.3	30.4	31.1	32.0	32.2	32.7	32.8	32.8	32.9	32.9	32.9	33.0
GE 3500	28.4	29.2	30.5	31.6	33.0	33.1	33.8	34.7	34.8	35.4	35.5	35.5	35.6	35.6	35.6	35.7
GE 3000	33.2	34.2	35.6	36.7	38.2	38.4	39.2	40.5	40.6	41.2	41.3	41.3	41.4	41.4	41.4	41.6
GE 2500	37.2	38.2	39.8	40.9	42.5	42.7	43.7	45.1	45.3	45.9	46.0	46.0	46.1	46.1	46.1	46.3
GE 2000	40.8	41.8	44.1	45.2	47.1	47.6	48.6	50.1	50.3	51.0	51.3	51.3	51.4	51.4	51.4	51.6
GE 1800	41.5	42.6	44.9	46.0	48.1	48.7	49.7	51.2	51.4	52.0	52.4	52.4	52.5	52.5	52.5	52.7
GE 1500	45.2	46.2	49.1	50.2	52.5	53.2	54.3	56.2	56.8	57.6	58.1	58.1	58.2	58.2	58.2	58.4
GE 1200	47.0	48.1	51.4	52.8	55.7	56.5	57.5	60.1	60.6	61.8	62.3	62.3	62.4	62.4	62.4	62.6
GE 1000	48.6	49.7	53.3	55.1	58.9	59.9	61.0	63.7	64.3	65.8	66.7	66.7	66.8	66.8	66.8	67.0
GE 900	49.1	50.2	53.9	55.6	59.7	60.8	61.9	64.7	65.5	67.0	67.8	67.8	68.0	68.0	68.0	68.2
GE 800	51.0	52.0	55.7	57.5	62.0	63.5	64.7	67.5	68.3	70.2	71.2	71.2	71.3	71.3	71.3	71.5
GE 700	51.8	52.9	56.8	59.0	64.5	66.1	67.5	70.4	71.4	73.5	74.5	74.5	74.6	74.6	74.6	74.8
GE 600	52.5	53.5	57.6	60.0	66.5	68.1	69.5	72.6	73.5	76.1	77.1	77.1	77.2	77.2	77.2	77.4
GE 500	53.2	54.3	59.1	62.2	69.4	71.2	72.6	76.5	77.4	80.5	81.6	81.6	81.7	81.7	81.7	81.9
GE 400	53.5	54.6	59.6	62.8	70.1	71.9	73.3	77.8	79.4	83.0	84.3	84.5	84.8	84.8	84.8	85.1
GE 300	53.5	54.6	59.7	63.0	71.0	73.0	74.8	79.5	81.1	85.2	86.8	87.0	87.3	87.3	87.3	87.5
GE 200	53.5	54.6	59.7	63.0	71.0	73.5	75.7	80.6	82.6	87.7	89.8	90.0	90.8	90.9	91.1	92.0
GE 100	53.5	54.6	59.7	63.0	71.1	73.8	75.9	80.9	82.8	88.8	91.4	91.7	93.1	93.4	93.9	99.0
GE 000	53.5	54.6	59.7	63.0	71.1	73.8	75.9	80.9	82.8	88.8	91.4	91.7	93.1	93.5	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.8	18.5	18.9	20.3	22.4	22.4	23.0	23.5	23.7	24.0	24.0	24.1	24.3	24.4	24.4	24.4
GE 20000	19.6	20.3	21.7	22.3	24.3	24.3	25.0	25.4	25.7	26.0	26.0	26.2	26.4	26.5	26.5	26.5
GE 18000	19.6	20.3	21.7	22.3	24.3	24.3	25.0	25.4	25.7	26.0	26.0	26.2	26.4	26.5	26.5	26.5
GE 16000	19.6	20.3	21.7	22.3	24.3	24.3	25.0	25.4	25.7	26.0	26.0	26.2	26.4	26.5	26.5	26.5
GE 14000	19.8	20.6	22.0	22.5	24.5	24.5	25.2	25.6	25.9	26.3	26.3	26.4	26.6	26.7	26.7	26.7
GE 12000	20.2	21.0	22.4	22.9	25.0	25.0	25.6	26.0	26.4	26.7	26.7	26.8	27.0	27.1	27.1	27.1
GE 10000	20.3	21.1	22.7	23.3	25.5	25.5	26.2	26.6	26.9	27.2	27.2	27.3	27.6	27.7	27.7	27.7
GE 9000	21.0	21.7	23.4	23.9	26.2	26.2	26.8	27.2	27.6	27.9	27.9	28.0	28.2	28.3	28.3	28.3
GE 8000	21.9	22.6	24.5	25.1	27.3	27.3	28.0	28.4	28.7	29.1	29.1	29.2	29.4	29.5	29.5	29.5
GE 7000	22.2	22.9	25.0	25.5	27.8	27.8	28.4	28.8	29.2	29.5	29.5	29.6	29.8	29.9	29.9	29.9
GE 6000	22.5	23.3	25.3	25.8	28.1	28.1	28.7	29.2	29.5	29.8	29.8	29.9	30.1	30.2	30.2	30.2
GE 5000	23.1	23.9	25.9	26.5	28.7	28.7	29.4	29.8	30.1	30.5	30.5	30.6	30.8	30.9	30.9	30.9
GE 4500	23.8	24.5	26.8	27.4	29.8	29.8	30.5	30.9	31.2	31.5	31.5	31.6	31.9	32.0	32.0	32.0
GE 4000	25.7	26.5	29.2	29.8	32.2	32.2	32.8	33.3	33.6	33.9	33.9	34.0	34.2	34.3	34.3	34.3
GE 3500	27.3	28.3	31.1	31.8	34.1	34.3	35.0	35.7	36.1	36.4	36.4	36.5	36.7	36.8	36.8	36.8
GE 3000	30.1	31.1	33.9	34.6	36.9	37.2	37.9	38.6	39.0	39.3	39.3	39.5	39.7	39.8	39.8	39.8
GE 2500	33.2	34.2	37.1	37.8	40.2	40.5	41.1	41.9	42.2	42.6	42.6	42.8	43.1	43.2	43.2	43.2
GE 2000	35.8	36.9	40.2	40.9	43.5	44.0	45.0	45.7	46.2	46.7	46.7	46.9	47.1	47.3	47.3	47.3
GE 1800	37.0	38.1	41.4	42.2	44.8	45.4	46.5	47.3	47.7	48.2	48.2	48.5	48.8	48.9	48.9	48.9
GE 1500	41.3	42.4	46.6	47.7	50.4	51.1	52.3	53.6	54.1	54.9	54.9	55.2	55.4	55.5	55.5	55.5
GE 1200	44.5	45.5	50.4	51.6	54.7	55.5	56.7	58.4	59.0	59.8	59.8	60.2	60.4	60.5	60.5	60.5
GE 1000	47.3	48.4	53.8	55.2	58.9	60.0	61.2	63.7	64.6	66.1	66.1	66.4	66.6	66.7	66.7	66.7
GE 900	47.7	48.9	54.3	55.8	59.5	60.7	62.0	64.5	65.3	66.8	66.8	67.2	67.4	67.5	67.5	67.5
GE 800	48.7	49.8	56.3	57.8	61.9	63.1	64.4	66.8	67.9	69.5	69.5	69.9	70.1	70.2	70.2	70.2
GE 700	49.5	50.7	58.2	60.0	64.7	66.0	67.4	69.9	70.9	73.0	73.0	73.3	73.5	73.6	73.6	73.6
GE 600	50.1	51.2	59.5	61.5	66.8	68.1	69.6	72.3	74.0	76.1	76.1	76.5	76.7	76.9	76.9	76.9
GE 500	51.3	52.5	61.4	63.5	70.1	71.4	73.0	75.9	77.5	80.3	80.3	80.7	80.9	81.1	81.1	81.1
GE 400	51.5	52.6	61.6	63.7	70.8	72.3	74.1	77.3	78.9	82.1	82.2	82.7	82.9	83.0	83.0	83.0
GE 300	51.8	53.0	61.9	64.0	71.7	73.3	75.2	79.1	81.3	85.4	85.5	85.9	86.1	86.2	86.2	86.2
GE 200	51.8	53.0	61.9	64.0	71.8	73.6	75.8	80.5	82.9	87.4	87.8	88.5	89.2	89.5	90.0	90.7
GE 100	51.8	53.0	61.9	64.0	71.8	73.6	75.8	80.5	83.1	88.2	88.9	89.9	90.7	91.1	93.0	99.1
GE 000	51.8	53.0	61.9	64.0	71.8	73.6	75.8	80.5	83.1	88.2	88.9	89.9	90.7	91.2	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.7	13.0	14.0	14.7	16.0	16.4	16.9	17.3	17.5	17.9	18.1	18.2	18.3	18.4	18.5	18.8
GE 20000	14.4	14.8	16.2	17.0	18.4	18.8	19.3	19.8	20.0	20.4	20.6	20.7	20.8	20.9	21.1	21.4
GE 18000	14.5	14.8	16.2	17.0	18.4	18.9	19.4	19.9	20.1	20.5	20.7	20.8	20.9	21.0	21.2	21.5
GE 16000	14.5	14.8	16.2	17.0	18.5	18.9	19.4	19.9	20.1	20.5	20.7	20.8	20.9	21.0	21.2	21.6
GE 14000	14.6	14.9	16.3	17.1	18.5	19.0	19.5	20.0	20.3	20.6	20.8	20.9	21.0	21.2	21.3	21.7
GE 12000	14.9	15.3	16.6	17.5	18.9	19.3	19.9	20.4	20.6	21.0	21.2	21.3	21.4	21.6	21.7	22.1
GE 10000	15.4	15.8	17.3	18.2	19.7	20.1	20.6	21.2	21.4	21.9	22.0	22.1	22.3	22.4	22.5	22.9
GE 9000	15.8	16.1	17.7	18.6	20.1	20.5	21.1	21.7	21.9	22.3	22.5	22.6	22.7	22.8	23.0	23.3
GE 8000	16.6	17.0	18.8	19.7	21.2	21.7	22.2	22.8	23.0	23.5	23.6	23.7	23.9	24.0	24.1	24.5
GE 7000	16.9	17.3	19.1	20.0	21.6	22.1	22.7	23.3	23.6	24.0	24.2	24.3	24.4	24.6	24.7	25.1
GE 6000	17.0	17.4	19.2	20.1	21.8	22.3	22.8	23.5	23.7	24.2	24.4	24.5	24.6	24.7	24.9	25.2
GE 5000	17.5	17.9	19.8	20.7	22.4	22.9	23.5	24.2	24.4	24.8	25.0	25.1	25.3	25.4	25.5	25.9
GE 4500	18.1	18.5	20.5	21.5	23.3	23.8	24.4	25.2	25.5	25.9	26.1	26.2	26.3	26.5	26.6	27.0
GE 4000	19.4	19.8	22.0	23.0	24.8	25.3	26.0	26.7	27.0	27.4	27.6	27.7	27.9	28.0	28.2	28.5
GE 3500	20.9	21.4	23.8	24.7	26.6	27.2	27.8	28.7	28.9	29.4	29.6	29.7	29.8	30.0	30.1	30.5
GE 3000	23.8	24.4	26.8	27.8	29.8	30.4	31.1	32.1	32.4	32.8	33.0	33.1	33.3	33.4	33.6	34.0
GE 2500	27.2	27.9	30.5	31.6	33.7	34.3	35.1	36.1	36.4	36.9	37.2	37.3	37.5	37.6	37.7	38.1
GE 2000	31.4	32.2	35.2	36.4	38.8	39.7	40.6	41.8	42.3	42.9	43.2	43.3	43.5	43.6	43.8	44.2
GE 1800	32.7	33.5	36.7	37.9	40.4	41.3	42.3	43.4	43.9	44.6	44.9	45.0	45.2	45.3	45.4	45.8
GE 1500	37.1	38.0	41.7	43.3	46.0	47.1	48.2	49.6	50.2	51.0	51.4	51.5	51.6	51.8	51.9	52.3
GE 1200	40.1	41.0	45.3	47.1	50.3	51.5	52.7	54.4	55.2	56.2	56.6	56.7	56.9	57.0	57.2	57.6
GE 1000	42.3	43.2	48.0	50.0	53.8	55.3	56.7	58.7	59.6	60.8	61.3	61.4	61.7	61.8	62.0	62.4
GE 900	43.2	44.2	49.2	51.3	55.2	56.7	58.2	60.3	61.1	62.5	63.0	63.2	63.4	63.5	63.7	64.1
GE 800	44.5	45.5	51.0	53.3	57.5	59.3	60.9	63.1	64.1	65.7	66.2	66.4	66.6	66.8	66.9	67.4
GE 700	45.6	46.6	52.6	55.3	60.2	62.1	63.9	66.4	67.4	69.4	70.0	70.2	70.5	70.6	70.7	71.2
GE 600	46.1	47.1	53.7	56.6	62.2	64.1	66.0	68.7	69.8	72.0	72.6	72.9	73.1	73.3	73.5	73.9
GE 500	46.7	47.7	55.0	58.2	64.7	66.9	69.1	72.2	73.5	76.0	76.7	77.1	77.4	77.6	77.7	78.1
GE 400	46.9	47.9	55.2	58.6	65.7	67.9	70.3	74.0	75.6	78.5	79.5	79.9	80.4	80.6	80.8	81.2
GE 300	47.0	48.0	55.4	59.0	66.5	69.0	71.7	75.9	77.9	81.5	82.8	83.2	83.7	83.9	84.3	84.8
GE 200	47.0	48.0	55.4	59.0	66.7	69.4	72.3	77.0	79.3	83.9	85.7	86.3	87.1	87.6	88.3	89.9
GE 100	47.0	48.0	55.4	59.1	66.8	69.4	72.4	77.1	79.6	84.8	86.9	87.8	89.1	90.3	91.8	99.3
GE 000	47.0	48.0	55.4	59.1	66.8	69.4	72.4	77.1	79.6	84.8	86.9	87.8	89.1	90.3	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7436



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.4	25.5	30.5	32.3	35.0	36.1	36.1	36.2	36.2	36.3	36.4	36.4	36.4	36.5	36.6	37.2
GE 20000	27.5	27.7	33.7	35.7	39.0	40.4	40.7	41.0	41.0	41.1	41.3	41.3	41.3	41.4	41.5	42.2
GE 18000	27.7	27.8	33.8	35.8	39.1	40.5	40.8	41.1	41.1	41.3	41.4	41.4	41.4	41.5	41.6	42.3
GE 16000	27.7	27.8	33.8	35.8	39.1	40.5	40.8	41.1	41.1	41.3	41.4	41.4	41.4	41.5	41.6	42.3
GE 14000	27.9	28.0	34.2	36.2	39.5	40.9	41.1	41.5	41.5	41.6	41.7	41.7	41.7	41.8	42.0	42.7
GE 12000	28.1	28.3	34.5	36.5	40.2	41.6	41.8	42.2	42.2	42.3	42.4	42.4	42.4	42.6	42.7	43.4
GE 10000	29.0	29.1	35.7	37.8	41.7	43.1	43.4	43.7	43.7	43.9	44.0	44.0	44.0	44.1	44.2	44.9
GE 9000	29.1	29.3	35.9	38.1	42.0	43.4	43.6	44.1	44.2	44.3	44.4	44.4	44.4	44.6	44.7	45.4
GE 8000	29.9	30.1	37.1	39.6	43.5	45.0	45.3	45.7	45.9	46.0	46.1	46.1	46.1	46.2	46.3	47.0
GE 7000	30.3	30.5	37.5	40.0	43.9	45.4	45.6	46.1	46.2	46.3	46.5	46.5	46.5	46.6	46.7	47.4
GE 6000	30.5	30.7	37.7	40.2	44.1	45.6	45.9	46.3	46.5	46.6	46.7	46.7	46.7	46.8	46.9	47.6
GE 5000	31.0	31.2	38.2	40.7	44.6	46.1	46.3	46.8	46.9	47.2	47.5	47.5	47.5	47.6	47.8	48.5
GE 4500	31.2	31.6	38.5	41.0	44.9	46.5	46.7	47.2	47.3	47.5	47.9	47.9	47.9	48.0	48.1	48.8
GE 4000	33.2	33.6	40.5	43.0	47.2	48.8	49.1	49.5	49.6	49.9	50.2	50.2	50.2	50.4	50.5	51.2
GE 3500	35.3	35.7	43.0	45.5	49.8	51.4	51.8	52.2	52.4	52.7	53.2	53.2	53.2	53.4	53.5	54.3
GE 3000	37.9	38.4	45.7	48.5	53.0	54.6	55.2	55.7	55.8	56.1	56.6	56.6	56.6	56.9	57.0	57.7
GE 2500	40.3	41.0	48.5	51.5	56.3	57.9	58.7	59.2	59.3	59.7	60.2	60.2	60.2	60.4	60.5	61.2
GE 2000	42.7	43.5	51.8	55.0	60.3	62.1	62.9	63.5	63.6	63.9	64.4	64.4	64.4	64.7	64.8	65.5
GE 1800	43.3	44.1	52.6	56.0	61.3	63.1	63.9	64.5	64.7	65.1	65.6	65.6	65.6	65.8	66.0	66.7
GE 1500	46.3	47.2	56.4	60.8	66.4	68.4	69.5	70.2	70.7	71.4	71.9	72.0	72.0	72.2	72.3	73.0
GE 1200	47.6	48.6	58.6	63.4	69.1	71.3	72.7	73.6	74.5	75.3	75.8	75.9	75.9	76.1	76.2	77.0
GE 1000	48.6	49.5	60.3	65.4	71.5	73.9	75.4	76.4	77.7	79.0	79.4	79.6	79.6	79.8	79.9	80.6
GE 900	48.8	49.8	60.5	65.7	72.1	74.5	76.0	77.0	78.3	79.6	80.1	80.3	80.3	80.5	80.6	81.3
GE 800	49.3	50.2	61.0	66.8	73.8	76.4	78.1	79.1	80.6	82.0	82.6	82.7	82.7	83.0	83.1	83.8
GE 700	49.6	50.6	61.8	67.6	74.7	77.3	79.1	80.0	81.9	83.3	84.0	84.2	84.2	84.4	84.5	85.2
GE 600	50.0	51.1	62.4	68.2	75.4	78.0	79.8	80.7	82.6	84.0	84.8	84.9	84.9	85.1	85.2	85.9
GE 500	50.2	51.3	62.9	68.8	76.6	79.3	81.3	82.6	84.6	86.5	87.5	87.6	87.6	87.8	87.9	88.7
GE 400	50.2	51.3	63.1	69.0	77.1	79.9	82.2	83.9	85.9	88.3	89.2	89.4	89.4	89.6	89.7	90.4
GE 300	50.2	51.3	63.4	69.3	77.7	80.7	83.0	84.9	87.0	89.6	90.9	91.1	91.3	91.6	91.7	92.4
GE 200	50.2	51.3	63.4	69.4	77.9	81.1	83.7	86.1	88.2	90.9	92.4	92.8	92.9	93.3	93.5	94.7
GE 100	50.2	51.3	63.4	69.4	77.9	81.1	83.7	86.1	88.3	91.4	93.1	93.5	93.9	94.3	94.6	99.5
GE 000	50.2	51.3	63.4	69.4	77.9	81.1	83.7	86.1	88.3	91.4	93.1	93.5	93.9	94.3	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106130

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.5	19.7	24.6	26.2	30.6	31.2	31.9	32.3	32.6	32.6	32.6	32.7	32.7	32.7	32.7	33.1
GE 20000	22.5	22.7	27.9	30.4	34.9	35.8	36.8	37.6	37.9	37.9	37.9	38.1	38.1	38.1	38.2	38.7
GE 18000	22.5	22.7	27.9	30.4	34.9	35.8	36.8	37.6	37.9	37.9	37.9	38.1	38.1	38.1	38.2	38.7
GE 16000	22.5	22.7	27.9	30.4	34.9	35.8	36.8	37.6	37.9	37.9	37.9	38.1	38.1	38.1	38.2	38.7
GE 14000	22.7	22.9	28.1	30.6	35.1	36.1	37.0	37.8	38.2	38.2	38.2	38.3	38.3	38.3	38.4	38.9
GE 12000	23.3	23.5	28.7	31.2	36.1	37.0	37.9	38.8	39.1	39.1	39.1	39.2	39.2	39.2	39.4	39.8
GE 10000	25.1	25.3	31.0	33.5	38.3	39.2	40.2	41.0	41.4	41.4	41.4	41.5	41.5	41.5	41.6	42.1
GE 9000	25.4	25.7	31.3	33.8	38.7	39.6	40.5	41.4	41.7	41.8	41.8	42.0	42.0	42.0	42.1	42.6
GE 8000	25.7	25.9	31.6	34.3	39.1	40.1	41.0	41.8	42.2	42.3	42.3	42.4	42.4	42.4	42.6	43.0
GE 7000	25.7	25.9	31.6	34.3	39.1	40.1	41.0	41.8	42.2	42.3	42.3	42.4	42.4	42.4	42.6	43.0
GE 6000	25.7	25.9	31.6	34.4	39.2	40.2	41.1	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.7	43.1
GE 5000	26.1	26.4	32.0	35.0	39.8	40.8	41.7	42.6	42.9	43.0	43.0	43.1	43.1	43.1	43.3	43.7
GE 4500	26.7	27.0	32.6	35.6	40.4	41.4	42.3	43.1	43.5	43.6	43.6	43.7	43.7	43.7	43.9	44.3
GE 4000	27.3	27.5	33.3	36.3	41.1	42.2	43.1	44.0	44.3	44.6	44.6	44.7	44.7	44.7	44.8	45.3
GE 3500	29.3	29.6	35.6	38.8	43.7	44.8	45.9	46.7	47.0	47.3	47.3	47.4	47.4	47.4	47.5	48.3
GE 3000	32.2	32.6	38.8	42.3	47.4	48.5	49.5	50.4	50.7	51.3	51.3	51.4	51.4	51.4	51.5	52.4
GE 2500	35.0	35.5	41.7	45.4	50.6	51.7	52.8	53.8	54.1	54.7	54.7	54.8	54.8	54.8	55.0	55.8
GE 2000	38.2	38.7	45.3	49.2	55.1	56.1	57.3	58.6	59.0	59.6	59.6	59.7	59.7	59.7	59.8	60.6
GE 1800	39.5	40.0	46.8	50.8	57.0	58.0	59.2	60.5	60.9	61.5	61.5	61.6	61.6	61.6	61.7	62.5
GE 1500	43.4	43.9	51.7	56.0	63.0	64.2	65.5	66.8	67.3	68.4	68.4	68.6	68.6	68.6	68.7	69.5
GE 1200	45.0	45.5	53.7	58.0	65.4	66.5	68.1	69.5	70.2	71.4	71.4	71.5	71.5	71.5	71.6	72.5
GE 1000	46.8	47.3	57.4	62.1	69.7	70.9	72.5	74.3	75.3	76.7	76.7	76.8	76.8	76.8	77.0	77.8
GE 900	46.9	47.4	57.7	62.8	70.6	71.7	73.3	75.4	76.7	78.3	78.3	78.4	78.4	78.4	78.5	79.3
GE 800	47.4	47.9	58.3	63.8	72.0	73.5	75.1	77.4	78.7	80.3	80.3	80.4	80.4	80.4	80.5	81.3
GE 700	47.9	48.3	59.1	64.7	73.2	74.8	76.4	79.1	80.5	82.0	82.0	82.2	82.2	82.2	82.3	83.1
GE 600	48.3	48.8	59.7	65.4	73.9	75.7	77.3	80.1	81.6	83.2	83.2	83.3	83.3	83.3	83.5	84.3
GE 500	48.5	48.9	59.9	65.6	74.5	76.4	78.3	81.4	83.2	85.3	85.5	85.6	85.6	85.6	85.7	86.5
GE 400	48.7	49.2	60.5	66.2	75.4	77.3	79.2	82.5	84.5	86.9	87.2	87.5	87.5	87.5	87.6	88.4
GE 300	48.7	49.2	60.5	66.2	75.5	77.5	79.7	83.0	85.0	87.9	88.4	88.7	88.7	88.9	89.1	90.4
GE 200	48.7	49.2	60.5	66.2	75.5	77.8	80.4	84.3	86.4	90.4	91.0	91.4	91.5	91.8	92.1	93.7
GE 100	48.7	49.2	60.5	66.2	75.5	77.8	80.4	84.4	86.5	91.0	91.7	92.1	92.9	93.3	93.9	99.8
GE 000	48.7	49.2	60.5	66.2	75.5	77.8	80.4	84.4	86.5	91.0	91.7	92.1	93.0	93.4	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.3	17.4	21.3	22.6	26.2	27.7	28.4	29.6	30.1	30.3	30.5	30.6	30.7	31.0	31.3	31.7
GE 20000	18.9	19.0	23.8	25.2	29.4	31.1	32.2	33.5	34.3	34.4	34.9	35.0	35.1	35.3	35.7	36.3
GE 18000	18.9	19.0	23.8	25.2	29.4	31.1	32.2	33.5	34.3	34.4	34.9	35.0	35.1	35.3	35.7	36.3
GE 16000	18.9	19.0	23.8	25.2	29.4	31.1	32.2	33.5	34.3	34.4	34.9	35.0	35.1	35.3	35.7	36.3
GE 14000	18.9	19.0	23.8	25.2	29.4	31.1	32.2	33.5	34.3	34.4	34.9	35.0	35.1	35.3	35.7	36.3
GE 12000	19.0	19.1	24.1	25.5	29.8	31.7	32.9	34.2	35.0	35.1	35.6	35.7	35.8	36.1	36.5	37.1
GE 10000	20.2	20.3	25.5	27.1	31.3	33.2	34.5	35.8	36.6	36.8	37.2	37.4	37.5	37.7	38.2	38.8
GE 9000	20.7	20.8	26.0	27.5	31.8	33.7	35.0	36.3	37.1	37.2	37.7	37.8	37.9	38.2	38.7	39.2
GE 8000	20.8	20.9	26.4	28.0	32.6	34.5	35.8	37.2	38.1	38.2	38.7	38.8	39.1	39.4	39.8	40.4
GE 7000	21.3	21.4	27.0	28.6	33.2	35.1	36.4	37.8	38.7	38.8	39.2	39.4	39.7	40.0	40.4	41.0
GE 6000	21.4	21.5	27.1	28.7	33.5	35.3	36.6	38.1	38.9	39.0	39.5	39.6	40.0	40.2	40.7	41.3
GE 5000	21.6	21.7	27.4	29.1	33.8	35.7	37.0	38.4	39.2	39.4	39.8	40.0	40.3	40.5	41.0	41.6
GE 4500	22.2	22.3	28.3	29.9	34.9	36.8	38.1	39.5	40.3	40.4	40.9	41.0	41.4	41.6	42.1	42.7
GE 4000	24.2	24.3	30.4	32.0	37.0	38.9	40.2	41.6	42.6	42.7	43.1	43.3	43.6	43.9	44.3	44.9
GE 3500	26.2	26.4	32.4	34.2	39.2	41.1	42.4	43.9	44.8	44.9	45.4	45.5	45.9	46.1	46.6	47.4
GE 3000	28.5	28.6	34.6	36.8	42.0	43.9	45.3	46.7	47.8	48.0	48.5	48.6	48.9	49.2	49.6	50.6
GE 2500	32.2	32.3	38.7	40.8	46.0	48.2	49.9	51.4	52.5	52.7	53.2	53.3	53.7	53.9	54.4	55.3
GE 2000	34.5	34.8	41.7	44.1	50.6	53.2	55.0	56.6	57.8	58.0	58.5	58.6	59.0	59.2	59.7	60.6
GE 1800	35.5	35.7	43.1	45.6	52.1	54.7	56.5	58.2	59.5	59.7	60.3	60.4	60.8	61.0	61.5	62.4
GE 1500	38.5	38.8	47.3	50.2	57.6	60.2	62.3	64.1	65.6	66.0	66.5	66.7	67.0	67.3	67.7	68.7
GE 1200	41.3	41.5	50.7	53.8	61.5	64.4	66.7	68.7	70.3	70.8	71.4	71.5	71.9	72.1	72.6	73.5
GE 1000	42.9	43.1	52.8	55.9	64.2	67.1	69.5	71.7	74.1	74.6	75.3	75.4	75.9	76.1	76.6	77.5
GE 900	43.0	43.3	53.1	56.3	64.8	67.8	70.2	72.6	74.9	75.4	76.1	76.2	76.7	77.0	77.4	78.4
GE 800	43.6	43.9	53.9	57.6	66.4	69.5	72.1	74.6	77.3	77.9	78.6	78.7	79.2	79.4	79.9	80.9
GE 700	43.7	44.0	54.3	58.4	67.8	71.2	73.9	76.4	79.2	79.8	80.6	80.7	81.2	81.4	81.9	82.9
GE 600	44.3	44.6	54.8	59.1	69.1	72.5	75.2	77.7	80.6	81.2	82.0	82.2	82.6	82.9	83.5	84.4
GE 500	44.6	44.8	55.2	59.5	69.9	73.6	76.5	79.4	82.5	83.3	84.2	84.3	84.8	85.0	85.6	86.5
GE 400	44.7	44.9	55.3	59.6	70.3	74.3	77.3	80.7	84.0	85.1	85.9	86.1	86.5	86.8	87.4	88.3
GE 300	44.8	45.0	55.4	59.7	70.8	75.2	78.4	82.2	85.8	87.2	88.1	88.2	88.7	88.9	89.6	90.7
GE 200	44.8	45.0	55.4	59.7	70.9	75.3	78.5	82.5	86.4	88.4	89.7	90.0	90.5	90.8	91.5	92.7
GE 100	44.8	45.2	55.6	59.8	71.0	75.4	78.6	82.6	86.5	88.9	90.2	90.4	91.0	91.3	92.9	99.8
GE 000	44.8	45.2	55.6	59.8	71.0	75.4	78.6	82.6	86.5	88.9	90.2	90.4	91.0	91.3	92.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.3	14.4	19.5	21.2	23.7	25.2	26.6	28.4	29.6	30.3	30.4	30.5	30.5	30.8	31.0	31.7
GE 20000	15.3	15.4	21.4	23.2	26.3	28.0	30.2	32.1	33.4	34.1	34.3	34.4	34.4	34.7	34.9	35.7
GE 18000	15.3	15.4	21.4	23.2	26.3	28.0	30.2	32.1	33.4	34.1	34.3	34.4	34.4	34.7	34.9	35.7
GE 16000	15.3	15.4	21.4	23.2	26.3	28.0	30.2	32.1	33.4	34.1	34.3	34.4	34.4	34.7	34.9	35.7
GE 14000	15.3	15.4	21.4	23.2	26.3	28.0	30.2	32.1	33.4	34.1	34.3	34.4	34.4	34.7	34.9	35.7
GE 12000	15.6	15.7	22.1	23.9	27.1	28.9	31.1	33.1	34.4	35.1	35.4	35.5	35.5	35.7	36.0	36.8
GE 10000	16.1	16.2	23.0	24.7	27.9	29.7	32.0	34.0	35.3	36.0	36.2	36.3	36.3	36.6	36.8	37.6
GE 9000	16.7	16.8	23.7	25.4	28.6	30.4	32.7	34.7	36.0	36.7	36.9	37.0	37.0	37.3	37.5	38.3
GE 8000	18.2	18.3	25.6	27.6	31.2	33.1	35.5	37.6	39.1	39.8	40.0	40.1	40.1	40.4	40.7	41.5
GE 7000	18.6	18.7	26.0	28.0	31.8	33.7	36.1	38.2	39.6	40.4	40.6	40.7	40.7	40.9	41.3	42.1
GE 6000	18.8	18.9	26.3	28.3	32.3	34.2	36.6	38.7	40.1	40.8	41.1	41.2	41.2	41.4	41.8	42.6
GE 5000	19.2	19.3	26.7	28.9	33.0	34.9	37.5	39.6	41.1	41.8	42.0	42.1	42.1	42.4	42.7	43.6
GE 4500	20.0	20.1	27.8	29.9	34.2	36.1	38.7	40.8	42.2	43.0	43.2	43.3	43.3	43.6	43.9	44.7
GE 4000	20.7	20.8	28.9	31.0	35.3	37.2	39.8	42.0	43.4	44.1	44.4	44.5	44.5	44.7	45.1	45.9
GE 3500	22.0	22.1	30.4	32.5	36.8	38.7	41.3	43.6	45.0	45.7	45.9	46.0	46.0	46.3	46.6	47.5
GE 3000	23.9	24.0	32.3	34.4	38.8	40.7	43.6	45.9	47.5	48.2	48.4	48.5	48.5	48.8	49.1	50.2
GE 2500	26.9	27.0	35.5	37.6	42.7	45.1	47.9	50.5	52.1	52.8	53.0	53.1	53.1	53.4	53.7	54.8
GE 2000	30.1	30.3	39.4	41.9	47.6	50.3	53.3	56.0	57.5	58.2	58.5	58.6	58.6	58.8	59.2	60.2
GE 1800	31.1	31.4	40.6	43.1	48.8	51.6	54.6	57.4	58.9	59.6	60.0	60.1	60.1	60.4	60.7	61.8
GE 1500	34.4	34.7	45.0	47.8	54.7	57.8	60.9	64.4	66.4	67.1	67.5	67.6	67.6	67.8	68.2	69.2
GE 1200	35.5	35.7	46.6	49.5	56.7	60.0	63.6	67.3	69.7	71.0	71.5	71.6	71.6	71.8	72.2	73.3
GE 1000	36.7	36.9	48.2	51.2	59.4	63.0	66.6	70.9	73.5	75.4	76.2	76.4	76.4	76.7	77.0	78.1
GE 900	36.8	37.0	48.5	51.6	60.0	63.9	67.7	72.0	74.9	76.9	77.8	78.0	78.0	78.2	78.6	79.8
GE 800	37.3	37.5	49.1	52.3	60.7	64.9	68.6	73.1	76.1	78.3	79.2	79.4	79.4	79.6	80.0	81.3
GE 700	37.6	37.9	49.5	52.8	61.7	66.3	70.1	74.7	77.8	80.4	81.3	81.5	81.5	81.8	82.1	83.4
GE 600	37.8	38.0	49.8	53.4	62.4	67.5	71.2	76.6	79.9	82.7	83.7	83.9	83.9	84.1	84.5	85.8
GE 500	37.8	38.0	50.2	54.0	63.3	68.9	72.9	78.6	82.0	85.2	86.2	86.4	86.5	86.7	87.1	88.5
GE 400	37.8	38.0	50.5	54.4	63.9	69.6	74.1	79.9	83.4	87.0	88.2	88.4	88.5	88.8	89.1	90.5
GE 300	37.8	38.0	50.5	54.4	64.0	69.8	74.4	80.5	84.4	88.3	89.7	89.9	90.2	90.4	90.8	92.2
GE 200	37.8	38.0	50.5	54.4	64.0	69.8	74.6	80.7	85.0	89.2	90.8	91.1	91.5	91.8	92.3	93.7
GE 100	37.8	38.0	50.5	54.4	64.0	69.8	74.6	80.7	85.0	89.3	90.9	91.2	91.7	92.2	93.5	99.8
GE 000	37.8	38.0	50.5	54.4	64.0	69.8	74.6	80.7	85.0	89.3	90.9	91.2	91.7	92.2	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 845

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.4	18.7	23.3	24.9	27.9	29.6	30.7	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.6
GE 20000	20.1	20.3	26.6	29.0	32.4	34.2	35.6	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.6
GE 18000	20.1	20.3	26.6	29.0	32.4	34.2	35.6	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.6
GE 16000	20.1	20.3	26.6	29.0	32.4	34.2	35.6	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.6
GE 14000	20.3	20.6	26.8	29.3	32.9	34.6	36.1	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.2
GE 12000	20.9	21.2	27.4	30.0	33.7	35.5	36.9	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.1
GE 10000	21.6	21.9	28.1	30.7	34.4	36.2	37.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.9
GE 9000	22.2	22.7	29.0	31.6	35.3	37.4	38.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	40.1
GE 8000	23.5	24.0	30.6	33.2	37.0	39.0	40.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.1
GE 7000	23.5	24.0	30.7	33.3	37.4	39.4	41.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4
GE 6000	23.5	24.0	30.7	33.5	37.5	39.5	41.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.6
GE 5000	24.2	24.7	31.9	34.6	38.7	40.7	42.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.1
GE 4500	24.5	25.1	32.4	35.2	39.2	41.3	43.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.7
GE 4000	26.5	27.1	34.5	37.5	41.5	43.6	45.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.0
GE 3500	28.6	29.2	36.6	39.8	43.9	46.0	48.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.6
GE 3000	30.9	31.4	39.4	42.6	46.8	49.1	51.1	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.0
GE 2500	35.0	35.6	43.5	46.7	51.1	53.3	55.3	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4
GE 2000	39.0	39.6	48.5	51.8	56.7	59.1	61.1	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.4
GE 1800	39.7	40.3	49.5	53.0	58.3	60.8	62.8	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	65.0
GE 1500	44.1	44.8	55.1	59.0	65.1	68.2	70.6	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	73.2
GE 1200	46.3	47.0	58.0	62.3	69.5	72.6	75.4	77.7	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.5
GE 1000	47.0	47.8	59.0	63.2	71.2	74.3	77.2	79.6	79.9	80.4	80.5	80.5	80.5	80.5	80.5	80.7
GE 900	47.6	48.3	59.8	64.3	72.3	75.5	78.4	80.9	81.3	81.8	81.9	81.9	81.9	82.0	82.0	82.3
GE 800	47.8	48.5	60.0	64.8	73.0	76.6	79.6	82.2	82.6	83.2	83.3	83.3	83.3	83.5	83.5	83.7
GE 700	48.0	48.7	60.5	65.5	74.0	77.7	80.9	83.7	84.2	84.9	85.1	85.1	85.1	85.2	85.2	85.5
GE 600	48.1	48.8	60.6	65.8	74.3	78.3	81.7	84.8	85.2	86.1	86.8	86.8	86.9	87.1	87.1	87.4
GE 500	48.2	48.9	60.8	66.0	75.1	79.4	83.1	86.8	87.2	88.1	89.0	89.0	89.4	89.6	89.6	90.0
GE 400	48.2	48.9	60.8	66.2	75.3	79.8	83.7	87.8	88.3	89.4	90.3	90.4	90.8	91.0	91.0	91.6
GE 300	48.2	48.9	60.8	66.2	75.3	80.0	84.4	88.5	89.1	91.0	92.2	92.3	92.9	93.3	93.4	94.0
GE 200	48.2	48.9	60.8	66.2	75.3	80.0	84.5	88.7	89.4	91.4	92.9	93.4	94.0	94.6	95.2	95.7
GE 100	48.2	48.9	60.8	66.2	75.3	80.0	84.5	88.7	89.4	91.4	93.1	93.6	94.4	95.3	96.1	100.0
GE 000	48.2	48.9	60.8	66.2	75.3	80.0	84.5	88.7	89.4	91.4	93.1	93.6	94.4	95.3	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.4	23.6	28.4	30.3	31.8	32.6	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.5	33.5	33.7
GE 20000	25.8	26.0	32.2	34.6	36.5	37.6	38.2	38.2	38.2	38.4	38.4	38.4	38.4	38.5	38.5	38.8
GE 18000	25.8	26.0	32.2	34.6	36.5	37.6	38.2	38.2	38.2	38.4	38.4	38.4	38.4	38.5	38.5	38.8
GE 16000	25.8	26.0	32.2	34.6	36.5	37.6	38.2	38.2	38.2	38.4	38.4	38.4	38.4	38.5	38.5	38.8
GE 14000	26.0	26.2	32.4	34.9	36.8	37.8	38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.8	38.8	39.0
GE 12000	26.4	26.6	32.7	35.3	37.4	38.4	39.0	39.0	39.0	39.2	39.2	39.2	39.2	39.4	39.4	39.6
GE 10000	27.9	28.1	34.4	37.2	39.2	40.3	41.0	41.0	41.0	41.3	41.3	41.3	41.3	41.4	41.4	41.6
GE 9000	28.5	28.7	35.0	37.8	40.0	41.0	41.7	41.7	41.7	42.0	42.0	42.0	42.0	42.1	42.1	42.3
GE 8000	29.7	29.9	36.5	39.4	42.1	43.4	44.1	44.1	44.1	44.3	44.3	44.3	44.3	44.4	44.4	44.7
GE 7000	30.0	30.4	37.2	40.1	42.8	44.1	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.2	45.2	45.4
GE 6000	30.3	30.6	37.6	40.4	43.1	44.4	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.5	45.5	45.7
GE 5000	32.0	32.4	39.4	42.2	45.0	46.5	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.5	47.5	47.8
GE 4500	32.3	32.6	39.6	42.4	45.4	46.8	47.5	47.5	47.5	47.8	47.8	47.8	47.8	47.9	47.9	48.1
GE 4000	34.0	34.4	41.6	44.4	47.4	48.8	49.5	49.5	49.5	49.8	49.8	49.8	49.8	49.9	49.9	50.1
GE 3500	35.6	35.9	43.4	46.3	49.4	50.8	51.5	51.5	51.5	51.8	51.8	51.8	51.8	51.9	51.9	52.1
GE 3000	39.5	40.0	48.1	51.3	54.5	55.9	56.7	56.7	57.0	57.2	57.3	57.3	57.3	57.4	57.4	57.7
GE 2500	44.9	45.5	54.1	57.3	60.8	62.2	63.0	63.0	63.2	63.5	63.6	63.6	63.6	63.7	63.7	63.9
GE 2000	47.0	47.6	58.2	61.3	65.2	66.8	67.6	67.6	67.8	68.1	68.2	68.2	68.2	68.3	68.3	68.6
GE 1800	47.5	48.2	58.9	62.1	66.5	68.1	69.0	69.0	69.3	69.5	69.6	69.6	69.6	69.7	69.7	70.0
GE 1500	51.1	51.8	63.4	66.9	72.2	74.5	75.5	75.9	76.1	76.5	76.6	76.6	76.6	76.7	76.7	77.0
GE 1200	53.0	53.7	65.5	69.3	75.1	77.5	79.1	79.8	80.3	80.6	80.7	80.7	80.7	80.9	80.9	81.1
GE 1000	53.9	54.6	67.0	71.2	77.5	80.0	81.8	82.7	83.3	83.7	83.8	83.8	83.8	83.9	83.9	84.2
GE 900	54.3	55.0	67.7	71.9	78.6	81.3	83.1	84.6	85.3	85.8	86.1	86.1	86.1	86.2	86.2	86.4
GE 800	54.4	55.1	68.2	72.3	79.4	82.3	84.4	86.1	86.8	87.2	87.5	87.5	87.5	87.6	87.6	87.8
GE 700	54.6	55.3	68.4	72.6	80.3	83.1	85.3	87.0	87.7	88.2	88.4	88.4	88.4	88.5	88.5	88.8
GE 600	55.1	55.8	69.0	73.3	81.0	83.8	86.1	87.9	88.7	89.1	89.4	89.4	89.4	89.5	89.5	89.7
GE 500	55.1	55.8	69.1	73.5	81.2	84.0	86.4	88.5	89.2	90.2	90.5	90.7	90.7	90.8	91.0	91.3
GE 400	55.1	55.8	69.1	73.6	81.4	84.5	87.0	89.5	90.2	91.4	91.7	92.0	92.0	92.1	92.3	92.8
GE 300	55.1	55.8	69.1	73.6	81.4	84.5	87.0	89.8	90.7	92.2	92.6	92.8	92.8	93.1	93.4	94.3
GE 200	55.1	55.8	69.1	73.6	81.4	84.5	87.0	89.8	91.6	93.1	93.7	94.0	94.2	94.8	95.3	96.7
GE 100	55.1	55.8	69.1	73.6	81.4	84.5	87.0	89.8	91.6	93.1	93.7	94.1	94.3	95.0	96.0	100.0
GE 000	55.1	55.8	69.1	73.6	81.4	84.5	87.0	89.8	91.6	93.1	93.7	94.1	94.3	95.0	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.3	30.0	34.5	36.3	37.8	38.3	38.5	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	39.4
GE 20000	32.7	33.6	39.2	41.1	43.0	43.7	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	45.4
GE 18000	32.7	33.6	39.2	41.1	43.0	43.7	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	45.4
GE 16000	32.7	33.6	39.2	41.1	43.0	43.7	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	45.4
GE 14000	32.7	33.6	39.2	41.1	43.0	43.7	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	45.4
GE 12000	33.2	34.0	40.0	42.1	44.2	44.9	45.7	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.6
GE 10000	34.0	34.9	40.9	43.0	45.4	46.1	46.9	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.8
GE 9000	34.2	35.0	41.0	43.1	45.5	46.2	47.0	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.9
GE 8000	34.9	35.7	41.7	43.9	46.6	47.3	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.9
GE 7000	35.0	35.8	41.8	44.0	46.7	47.4	48.2	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	49.1
GE 6000	35.3	36.3	42.3	44.4	47.2	47.9	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	49.5
GE 5000	36.5	37.5	43.6	45.9	48.6	49.3	50.1	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.9
GE 4500	36.5	37.5	43.6	45.9	48.6	49.3	50.1	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.9
GE 4000	38.9	40.0	46.5	48.9	51.9	52.6	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	54.5
GE 3500	40.8	41.8	48.6	51.1	54.3	55.0	56.0	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.9
GE 3000	43.5	44.6	51.7	54.3	57.4	58.2	59.2	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	60.2
GE 2500	46.2	47.3	55.3	58.0	61.3	62.1	63.2	63.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	64.3
GE 2000	49.1	50.2	59.2	61.9	65.6	66.7	68.0	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	69.1
GE 1800	49.5	50.7	60.2	62.9	66.5	67.6	68.9	69.1	69.3	69.5	69.5	69.5	69.5	69.5	69.5	70.2
GE 1500	53.3	54.6	65.6	68.6	73.5	74.9	76.6	77.4	77.5	77.8	77.8	77.8	77.8	77.8	77.8	78.5
GE 1200	53.9	55.3	66.5	70.0	75.8	77.3	79.1	79.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	81.1
GE 1000	54.3	55.7	67.0	70.8	77.1	78.7	80.5	81.8	82.0	82.5	82.5	82.5	82.5	82.5	82.5	83.2
GE 900	54.4	55.8	67.3	71.0	77.7	79.4	81.2	82.9	83.3	83.8	83.8	83.8	83.8	83.8	83.8	84.5
GE 800	54.5	55.9	67.5	71.4	78.4	80.1	81.9	83.7	84.4	85.1	85.2	85.2	85.2	85.2	85.2	85.9
GE 700	55.1	56.5	68.3	72.6	79.9	81.9	83.8	85.6	86.4	87.1	87.4	87.4	87.4	87.4	87.4	88.1
GE 600	55.2	56.6	68.4	72.9	80.6	82.9	84.8	86.6	87.5	88.2	88.4	88.4	88.4	88.4	88.4	89.1
GE 500	55.2	56.6	68.6	73.2	81.2	83.7	85.8	87.8	89.1	90.0	90.3	90.3	90.3	90.3	90.3	91.0
GE 400	55.4	56.9	69.0	73.6	81.7	84.2	86.4	88.5	89.8	91.1	91.7	91.7	91.7	91.7	91.7	92.4
GE 300	55.4	56.9	69.0	73.8	82.0	84.5	86.9	89.1	90.7	92.0	92.7	92.7	92.7	92.7	92.8	93.6
GE 200	55.4	56.9	69.0	73.9	82.2	84.6	87.1	89.4	91.0	92.7	93.5	93.6	93.6	93.9	94.0	96.0
GE 100	55.4	56.9	69.0	73.9	82.2	84.6	87.1	89.4	91.1	93.1	94.3	94.7	94.9	95.3	95.7	100.0
GE 000	55.4	56.9	69.0	73.9	82.2	84.6	87.1	89.4	91.1	93.1	94.3	94.7	94.9	95.3	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.8	29.0	34.4	36.6	37.8	38.1	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.4
GE 20000	31.7	31.9	38.2	40.4	42.4	43.3	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	44.9
GE 18000	32.0	32.3	38.5	40.8	42.8	43.6	44.4	44.9	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.3
GE 16000	32.0	32.3	38.5	40.8	42.8	43.6	44.4	44.9	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.3
GE 14000	32.0	32.3	38.5	40.8	42.8	43.6	44.4	44.9	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.3
GE 12000	32.9	33.1	39.4	41.8	44.0	44.8	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.6
GE 10000	33.6	33.8	40.2	42.7	44.9	45.7	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.3	47.3	47.5
GE 9000	34.2	34.4	40.8	43.3	45.5	46.3	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.9	47.9	48.1
GE 8000	34.9	35.1	41.5	44.0	46.3	47.3	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	49.2
GE 7000	34.9	35.1	41.5	44.0	46.3	47.3	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	49.2
GE 6000	35.1	35.3	41.7	44.2	46.6	47.5	48.3	48.9	48.9	48.9	48.9	48.9	48.9	49.2	49.2	49.4
GE 5000	35.5	35.7	42.2	44.7	47.0	48.0	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.9
GE 4500	35.9	36.2	42.9	45.5	47.9	48.8	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.5	50.7
GE 4000	38.2	38.4	45.3	48.1	50.6	51.5	52.4	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.4
GE 3500	39.8	40.1	47.3	50.5	53.1	54.0	54.8	55.4	55.4	55.4	55.6	55.6	55.6	55.8	55.8	56.0
GE 3000	41.5	41.8	49.8	53.0	55.8	56.7	57.7	58.3	58.3	58.3	58.4	58.4	58.4	58.6	58.6	58.9
GE 2500	43.5	43.9	52.1	55.4	58.3	59.2	60.3	60.9	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.5
GE 2000	46.9	47.3	56.4	59.9	63.5	64.4	65.7	66.4	66.4	66.4	66.5	66.5	66.5	66.8	66.8	67.3
GE 1800	48.0	48.3	58.0	61.8	65.5	66.4	67.7	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.9	69.4
GE 1500	50.8	51.3	61.8	65.8	70.2	71.2	72.6	73.3	73.6	73.8	73.9	73.9	73.9	74.1	74.1	74.6
GE 1200	52.6	53.1	63.9	68.0	72.8	74.1	75.5	76.4	76.8	77.0	77.1	77.1	77.1	77.3	77.3	77.8
GE 1000	54.0	54.6	65.8	70.0	75.2	76.6	78.0	79.3	79.8	80.3	80.6	80.6	80.6	80.9	80.9	81.3
GE 900	54.7	55.3	66.5	70.7	76.1	77.7	79.1	80.7	81.4	81.9	82.3	82.3	82.3	82.5	82.5	83.0
GE 800	55.1	55.7	66.9	71.9	77.7	79.4	80.9	82.5	83.3	84.3	84.6	84.6	84.6	84.9	84.9	85.3
GE 700	55.6	56.1	67.8	73.0	79.4	81.2	82.6	84.3	85.3	86.4	86.8	86.8	86.9	87.1	87.1	87.6
GE 600	55.8	56.4	68.1	73.3	80.1	81.9	83.3	85.0	86.1	87.1	87.5	87.5	87.6	87.8	87.8	88.3
GE 500	55.8	56.4	68.1	73.5	81.0	83.1	84.6	86.5	87.6	89.0	89.4	89.4	89.5	89.7	89.7	90.2
GE 400	55.8	56.4	68.2	73.6	81.4	83.6	85.2	87.1	88.3	90.0	90.3	90.4	90.5	90.8	90.8	91.3
GE 300	55.8	56.4	68.2	73.6	81.6	83.7	85.6	87.6	89.1	91.1	91.7	92.0	92.1	92.3	92.4	92.9
GE 200	55.8	56.4	68.2	73.8	81.8	84.2	86.2	88.5	90.4	92.8	93.7	94.0	94.6	94.9	95.0	96.2
GE 100	55.8	56.4	68.2	73.8	81.8	84.2	86.2	88.5	90.4	92.8	93.7	94.1	94.7	95.3	95.9	99.5
GE 000	55.8	56.4	68.2	73.8	81.8	84.2	86.2	88.5	90.4	92.8	93.7	94.1	94.7	95.3	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.1	22.3	27.1	28.8	31.4	32.3	33.0	33.6	33.8	34.0	34.0	34.1	34.1	34.2	34.3	34.7
GE 20000	24.3	24.6	30.4	32.5	35.5	36.8	37.8	38.5	38.8	39.0	39.1	39.1	39.1	39.2	39.3	39.8
GE 18000	24.4	24.6	30.4	32.5	35.6	36.8	37.8	38.6	38.9	39.0	39.1	39.2	39.2	39.3	39.4	39.9
GE 16000	24.4	24.6	30.4	32.5	35.6	36.8	37.8	38.6	38.9	39.0	39.1	39.2	39.2	39.3	39.4	39.9
GE 14000	24.5	24.8	30.6	32.7	35.7	37.0	38.0	38.7	39.0	39.2	39.3	39.4	39.4	39.5	39.6	40.1
GE 12000	24.9	25.2	31.1	33.3	36.5	37.8	38.9	39.6	39.9	40.1	40.2	40.3	40.3	40.4	40.5	41.0
GE 10000	25.9	26.2	32.3	34.6	37.9	39.2	40.3	41.0	41.3	41.5	41.6	41.7	41.7	41.8	41.9	42.4
GE 9000	26.4	26.7	32.8	35.1	38.4	39.8	40.8	41.6	41.9	42.1	42.2	42.2	42.3	42.4	42.5	43.0
GE 8000	27.2	27.5	33.9	36.2	39.8	41.2	42.3	43.2	43.5	43.7	43.8	43.8	43.9	44.0	44.1	44.6
GE 7000	27.4	27.7	34.2	36.5	40.2	41.6	42.7	43.5	43.8	44.0	44.1	44.2	44.2	44.3	44.5	45.0
GE 6000	27.6	27.9	34.4	36.8	40.4	41.8	42.9	43.8	44.1	44.3	44.4	44.5	44.5	44.6	44.7	45.2
GE 5000	28.3	28.6	35.2	37.6	41.3	42.7	43.9	44.8	45.1	45.3	45.4	45.5	45.5	45.6	45.8	46.3
GE 4500	28.7	29.0	35.7	38.2	41.9	43.4	44.5	45.4	45.7	45.9	46.0	46.1	46.1	46.3	46.4	46.9
GE 4000	30.4	30.8	37.6	40.2	44.0	45.5	46.7	47.5	47.9	48.1	48.2	48.3	48.3	48.4	48.6	49.0
GE 3500	32.2	32.6	39.7	42.3	46.3	47.7	49.0	49.9	50.2	50.4	50.6	50.6	50.7	50.8	51.0	51.5
GE 3000	34.7	35.2	42.5	45.4	49.5	50.9	52.3	53.2	53.6	53.9	54.1	54.1	54.2	54.3	54.5	55.1
GE 2500	38.0	38.5	46.2	49.1	53.4	55.0	56.4	57.4	57.9	58.1	58.3	58.4	58.4	58.5	58.7	59.3
GE 2000	40.9	41.5	50.1	53.1	58.1	59.8	61.4	62.5	62.9	63.2	63.4	63.5	63.5	63.6	63.8	64.4
GE 1800	41.8	42.3	51.2	54.4	59.5	61.3	62.8	64.0	64.5	64.8	65.0	65.0	65.1	65.2	65.3	66.0
GE 1500	45.2	45.9	55.8	59.4	65.3	67.4	69.2	70.6	71.2	71.7	71.9	72.0	72.0	72.2	72.3	73.0
GE 1200	46.9	47.6	58.0	61.8	68.2	70.5	72.5	74.1	75.0	75.6	75.8	75.9	75.9	76.0	76.2	76.8
GE 1000	48.0	48.7	59.7	63.7	70.7	73.1	75.2	77.1	78.2	79.1	79.4	79.5	79.5	79.7	79.8	80.4
GE 900	48.3	49.0	60.1	64.3	71.5	74.0	76.1	78.2	79.5	80.4	80.8	80.9	80.9	81.1	81.2	81.9
GE 800	48.7	49.3	60.6	65.1	72.7	75.3	77.6	79.8	81.2	82.3	82.7	82.7	82.8	82.9	83.1	83.8
GE 700	49.0	49.7	61.2	65.9	73.9	76.7	79.0	81.3	82.9	84.0	84.5	84.5	84.6	84.7	84.9	85.6
GE 600	49.3	50.0	61.6	66.4	74.6	77.6	79.9	82.4	84.0	85.2	85.7	85.8	85.9	86.0	86.2	86.9
GE 500	49.4	50.1	61.8	66.8	75.3	78.6	81.1	84.0	85.7	87.2	87.8	87.9	88.0	88.2	88.4	89.1
GE 400	49.5	50.2	62.1	67.0	75.8	79.1	81.9	85.0	86.8	88.6	89.3	89.5	89.6	89.8	90.0	90.7
GE 300	49.5	50.2	62.1	67.1	76.0	79.5	82.4	85.7	87.7	89.9	90.8	91.0	91.1	91.4	91.7	92.6
GE 200	49.5	50.2	62.1	67.1	76.1	79.7	82.7	86.2	88.5	91.1	92.2	92.5	92.8	93.2	93.6	94.9
GE 100	49.5	50.2	62.1	67.2	76.1	79.7	82.8	86.3	88.6	91.4	92.6	93.0	93.5	94.0	94.8	99.8
GE 000	49.5	50.2	62.1	67.2	76.1	79.7	82.8	86.3	88.6	91.4	92.6	93.0	93.5	94.0	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6767

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.6	26.3	31.5	33.1	34.9	35.7	35.8	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.5
GE 20000	29.2	30.2	35.9	37.6	39.7	40.6	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.4
GE 18000	29.2	30.2	35.9	37.6	39.7	40.6	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.4
GE 16000	29.2	30.2	35.9	37.6	39.7	40.6	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.4
GE 14000	29.2	30.2	35.9	37.6	39.7	40.6	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.4
GE 12000	30.5	31.5	37.2	38.9	41.0	41.9	42.0	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.7
GE 10000	31.6	32.6	38.4	40.2	42.5	43.4	43.5	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.2
GE 9000	32.0	33.1	39.2	41.1	43.3	44.3	44.4	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.1
GE 8000	33.4	34.8	41.2	43.1	45.9	46.9	47.2	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.8
GE 7000	33.7	35.1	41.4	43.3	46.1	47.1	47.5	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2
GE 6000	33.9	35.3	41.6	43.5	46.3	47.3	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4
GE 5000	35.3	36.7	43.5	45.6	48.9	49.9	50.3	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.0
GE 4500	37.8	39.2	46.2	48.3	51.7	52.7	53.1	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.9
GE 4000	40.8	42.4	49.7	51.7	55.2	56.1	56.6	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.4
GE 3500	42.9	44.5	52.0	54.2	57.7	58.7	59.1	59.5	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.4
GE 3000	46.6	48.2	56.9	59.0	63.0	64.0	64.5	64.8	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.8
GE 2500	49.5	51.1	59.9	62.3	66.2	67.3	67.8	68.2	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.4
GE 2000	54.9	56.7	65.9	68.4	72.5	73.5	74.1	74.4	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.6
GE 1800	56.7	58.7	68.2	70.6	74.7	75.8	76.3	76.7	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.8
GE 1500	60.6	62.8	72.7	75.9	80.4	81.5	82.0	82.5	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.8
GE 1200	62.5	64.6	75.2	78.4	82.9	84.0	84.5	84.9	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.2
GE 1000	64.0	66.1	77.1	80.8	85.6	86.9	87.4	87.8	88.7	88.8	88.9	88.9	88.9	88.9	88.9	89.1
GE 900	64.4	66.6	77.7	81.4	86.2	87.5	88.1	88.6	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.9
GE 800	65.2	67.3	78.9	82.8	88.0	89.2	89.8	90.3	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.7
GE 700	65.9	68.1	79.8	84.1	89.4	90.8	91.3	91.8	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.2
GE 600	66.1	68.3	80.3	84.6	89.9	91.3	91.8	92.4	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.9
GE 500	66.3	68.5	80.6	85.1	90.5	92.2	93.1	93.9	94.8	95.3	95.4	95.4	95.4	95.4	95.4	95.6
GE 400	66.6	68.7	80.9	85.3	90.8	92.4	93.3	94.4	95.4	95.8	95.9	95.9	95.9	95.9	95.9	96.1
GE 300	66.6	68.7	80.9	85.3	91.1	92.7	94.1	95.7	96.9	97.6	97.8	97.8	97.8	97.8	97.8	98.1
GE 200	66.6	68.7	80.9	85.3	91.1	92.7	94.1	95.7	96.9	97.7	98.0	98.0	98.0	98.0	98.0	98.5
GE 100	66.6	68.7	80.9	85.3	91.2	92.8	94.2	95.8	97.0	98.8	99.0	99.0	99.0	99.1	99.1	100.0
GE 000	66.6	68.7	80.9	85.3	91.2	92.8	94.2	95.8	97.0	98.8	99.0	99.0	99.0	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.8	21.0	25.2	27.1	30.4	31.5	32.7	32.9	33.9	34.2	34.4	34.4	34.5	34.5	34.6	34.9
GE 20000	23.8	24.0	28.9	30.9	34.6	35.7	36.9	37.2	38.2	38.5	38.7	38.7	38.8	38.8	38.9	39.2
GE 18000	23.9	24.1	29.0	31.0	34.7	35.8	37.0	37.3	38.3	38.6	38.8	38.8	38.9	38.9	39.0	39.4
GE 16000	23.9	24.1	29.0	31.0	34.7	35.8	37.0	37.3	38.3	38.6	38.8	38.8	38.9	38.9	39.0	39.4
GE 14000	23.9	24.1	29.0	31.0	34.7	35.8	37.0	37.3	38.3	38.6	38.8	38.8	38.9	38.9	39.0	39.4
GE 12000	24.7	24.9	30.0	32.0	36.1	37.2	38.4	38.7	39.7	40.0	40.2	40.2	40.3	40.3	40.4	40.8
GE 10000	25.5	25.7	30.8	32.8	37.1	38.2	39.4	39.7	40.6	41.0	41.2	41.2	41.3	41.3	41.4	41.7
GE 9000	25.8	26.0	31.6	33.9	38.3	39.4	40.5	40.9	41.8	42.2	42.4	42.4	42.5	42.5	42.6	42.9
GE 8000	26.6	26.8	32.5	34.8	39.5	40.9	42.3	42.8	43.8	44.1	44.3	44.3	44.4	44.4	44.5	44.8
GE 7000	26.8	27.0	32.8	35.2	39.8	41.2	42.6	43.1	44.1	44.4	44.6	44.6	44.7	44.7	44.8	45.2
GE 6000	26.9	27.1	32.9	35.3	39.9	41.3	42.7	43.2	44.2	44.5	44.7	44.7	44.8	44.8	44.9	45.3
GE 5000	27.8	28.1	34.0	36.5	41.5	42.9	44.3	44.8	45.8	46.1	46.3	46.3	46.5	46.5	46.6	46.9
GE 4500	28.7	28.9	34.9	37.4	43.3	44.8	46.2	46.9	47.8	48.2	48.4	48.4	48.5	48.5	48.6	48.9
GE 4000	31.2	31.4	37.6	40.1	46.7	48.2	49.7	50.6	51.6	51.9	52.2	52.2	52.3	52.3	52.4	52.7
GE 3500	33.2	33.4	39.8	42.4	49.1	50.8	52.4	53.3	54.3	54.6	54.8	54.8	54.9	54.9	55.1	55.4
GE 3000	36.1	36.3	43.1	46.2	53.3	55.1	56.8	57.8	58.8	59.1	59.4	59.4	59.5	59.5	59.6	59.9
GE 2500	39.4	39.7	46.6	49.7	57.1	58.8	60.5	61.6	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.8
GE 2000	44.1	44.6	51.7	55.1	63.0	64.7	66.6	67.7	69.0	69.4	69.6	69.6	69.7	69.7	69.8	70.1
GE 1800	45.2	45.7	52.9	56.2	64.3	66.0	67.8	69.0	70.3	70.6	70.9	70.9	71.0	71.0	71.1	71.4
GE 1500	50.0	50.5	58.4	62.5	70.6	72.5	74.4	75.6	77.0	77.3	77.5	77.5	77.6	77.6	77.7	78.1
GE 1200	51.4	51.9	60.2	64.4	72.9	75.1	77.0	78.2	79.6	79.9	80.1	80.1	80.2	80.2	80.3	80.6
GE 1000	52.9	53.4	62.6	67.2	75.9	78.3	80.3	81.6	83.1	83.4	83.7	83.7	83.8	83.8	83.9	84.2
GE 900	53.5	54.1	63.7	68.4	77.4	79.8	81.8	83.1	84.6	84.9	85.2	85.2	85.3	85.3	85.4	85.7
GE 800	54.3	54.8	64.7	69.6	78.8	81.2	83.7	84.9	86.5	86.9	87.1	87.2	87.3	87.3	87.4	87.7
GE 700	54.9	55.5	65.9	71.1	80.9	83.2	85.8	87.1	88.6	89.0	89.2	89.4	89.5	89.5	89.6	89.9
GE 600	55.1	55.6	66.0	71.2	81.1	83.4	86.3	87.6	89.1	89.6	89.8	89.9	90.0	90.0	90.1	90.4
GE 500	55.1	55.6	66.0	71.6	82.4	84.8	87.7	89.0	90.6	91.2	91.4	91.5	91.7	91.8	91.9	92.3
GE 400	55.2	55.7	66.5	72.0	82.9	85.4	88.5	90.1	92.0	92.7	92.9	93.0	93.2	93.4	93.5	93.9
GE 300	55.2	55.7	66.5	72.2	83.2	85.9	89.2	91.7	93.8	95.1	95.3	95.5	95.7	96.1	96.2	96.6
GE 200	55.2	55.7	66.6	72.3	83.4	86.1	89.7	92.2	94.3	95.6	95.9	96.1	96.3	97.0	97.2	97.6
GE 100	55.2	55.7	66.6	72.3	83.4	86.1	89.7	92.4	94.6	96.5	96.9	97.1	97.3	98.2	98.5	99.9
GE 000	55.2	55.7	66.6	72.3	83.4	86.1	89.7	92.4	94.6	96.5	96.9	97.1	97.3	98.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.4	11.4	15.1	16.8	21.0	22.8	23.4	24.9	25.5	26.0	26.3	26.3	26.5	26.6	26.7	27.3
GE 20000	13.2	13.2	17.8	19.8	24.9	26.9	27.7	29.6	30.1	30.6	31.0	31.2	31.3	31.5	31.6	32.3
GE 18000	13.2	13.2	17.8	19.8	24.9	26.9	27.8	29.7	30.2	30.8	31.1	31.3	31.4	31.6	31.7	32.4
GE 16000	13.2	13.2	17.8	19.8	24.9	26.9	27.8	29.7	30.2	30.8	31.1	31.3	31.4	31.6	31.7	32.4
GE 14000	13.2	13.2	18.1	20.1	25.4	27.3	28.4	30.2	30.8	31.3	31.6	31.8	31.9	32.2	32.3	32.9
GE 12000	13.8	13.8	18.8	21.1	26.6	28.5	29.7	31.5	32.2	32.7	33.0	33.2	33.3	33.5	33.7	34.3
GE 10000	14.3	14.3	19.7	22.3	28.2	30.1	31.4	33.2	33.9	34.4	34.7	34.9	35.1	35.3	35.4	36.3
GE 9000	14.4	14.4	19.9	22.6	28.7	31.1	32.4	34.2	34.8	35.4	35.7	35.9	36.0	36.2	36.3	37.3
GE 8000	15.2	15.3	21.0	23.8	30.0	32.7	34.5	36.5	37.2	37.8	38.4	38.6	38.7	38.9	39.0	40.0
GE 7000	15.8	15.9	21.6	24.4	30.8	33.4	35.4	37.4	38.2	38.8	39.4	39.6	39.7	39.9	40.0	41.0
GE 6000	16.0	16.1	21.8	24.6	31.0	33.7	35.6	37.6	38.4	39.0	39.6	39.8	39.9	40.1	40.2	41.2
GE 5000	16.2	16.3	22.3	25.1	31.7	34.4	36.3	38.4	39.1	39.8	40.3	40.5	40.6	40.9	41.0	41.9
GE 4500	16.9	17.0	23.0	25.8	32.9	35.6	37.5	39.7	40.5	41.2	41.7	41.9	42.0	42.3	42.4	43.3
GE 4000	18.4	18.5	25.2	28.2	36.0	39.0	41.5	43.8	45.1	45.7	46.3	46.6	46.7	46.9	47.0	48.0
GE 3500	19.5	19.7	26.6	29.8	38.0	41.1	43.5	46.0	47.3	48.0	48.6	48.8	48.9	49.1	49.2	50.3
GE 3000	21.2	21.4	28.3	31.7	40.5	43.8	46.3	48.9	50.2	50.9	51.5	51.7	51.8	52.0	52.2	53.2
GE 2500	24.3	24.5	31.5	34.9	44.1	47.4	50.1	52.7	54.0	54.6	55.3	55.5	55.6	55.8	55.9	57.0
GE 2000	27.3	27.5	35.2	38.8	48.8	52.2	55.1	57.7	59.5	60.1	60.8	61.0	61.1	61.3	61.4	62.5
GE 1800	28.2	28.4	36.1	39.8	49.8	53.2	56.1	58.8	60.5	61.2	61.8	62.0	62.2	62.4	62.5	63.5
GE 1500	32.4	32.6	40.5	44.7	55.9	59.5	62.6	65.5	67.5	68.2	68.8	69.0	69.1	69.4	69.5	70.5
GE 1200	34.3	34.6	42.9	47.4	59.5	63.4	66.8	69.8	72.0	72.7	73.3	73.5	73.7	73.9	74.0	75.1
GE 1000	35.9	36.2	44.9	49.9	62.6	66.8	70.2	73.8	76.0	76.9	77.6	77.8	78.0	78.2	78.3	79.4
GE 900	36.2	36.7	45.9	50.9	63.7	67.8	71.3	74.9	77.3	78.2	78.9	79.1	79.2	79.5	79.6	80.6
GE 800	36.8	37.2	47.3	52.4	65.7	70.0	73.7	78.0	80.6	81.9	82.7	83.0	83.1	83.3	83.4	84.5
GE 700	37.1	37.5	47.8	53.2	67.4	71.7	76.1	80.4	83.1	84.4	85.3	85.6	85.8	86.0	86.1	87.2
GE 600	37.3	37.7	48.1	53.5	68.0	72.4	76.8	81.1	83.8	85.2	86.0	86.5	86.8	87.0	87.1	88.2
GE 500	37.4	37.8	48.7	54.5	69.0	73.7	78.6	83.2	86.0	87.5	88.4	88.8	89.1	89.4	89.5	90.5
GE 400	37.5	38.0	48.8	54.7	69.2	74.1	79.5	84.3	87.3	89.0	90.4	90.9	91.2	91.4	91.5	92.8
GE 300	37.5	38.0	48.8	54.7	69.2	74.3	79.9	85.4	88.9	91.1	92.9	93.3	93.8	94.0	94.1	95.4
GE 200	37.5	38.0	48.8	54.8	69.6	74.6	80.2	85.7	89.5	91.6	93.5	94.0	94.6	94.9	95.4	97.0
GE 100	37.5	38.0	48.8	54.8	69.6	74.6	80.3	85.8	89.7	92.0	94.1	94.5	95.3	95.7	96.5	99.9
GE 000	37.5	38.0	48.8	54.8	69.6	74.6	80.3	85.8	89.7	92.0	94.1	94.5	95.3	95.7	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.8	8.9	15.1	16.2	21.0	22.3	23.0	24.4	24.7	25.1	25.3	25.4	25.4	25.4	25.6	25.6
GE 20000	10.6	10.8	17.7	19.4	24.7	26.6	27.3	28.8	29.1	29.6	29.9	30.0	30.0	30.1	30.3	30.3
GE 18000	10.6	10.8	17.7	19.4	24.7	26.6	27.3	28.8	29.1	29.6	29.9	30.0	30.0	30.1	30.3	30.3
GE 16000	10.6	10.8	17.7	19.4	24.7	26.6	27.3	28.8	29.1	29.6	29.9	30.0	30.0	30.1	30.3	30.3
GE 14000	10.6	10.8	17.7	19.4	24.9	26.8	27.5	29.2	29.6	30.0	30.3	30.4	30.4	30.5	30.8	30.8
GE 12000	11.2	11.3	18.5	20.2	26.1	28.1	28.8	30.5	30.9	31.3	31.6	31.7	31.7	31.8	32.0	32.0
GE 10000	12.4	12.6	20.6	22.6	29.1	31.2	32.2	34.2	34.5	34.9	35.3	35.4	35.4	35.5	35.8	35.9
GE 9000	12.7	12.9	21.1	23.0	29.6	31.8	32.9	35.2	35.5	35.9	36.2	36.3	36.3	36.5	36.8	36.9
GE 8000	13.0	13.2	21.6	23.7	30.4	33.1	34.7	37.3	37.6	38.1	38.7	38.8	38.8	38.9	39.2	39.4
GE 7000	13.3	13.7	22.3	24.3	31.1	33.8	35.5	38.1	38.4	38.8	39.5	39.6	39.6	39.7	40.0	40.1
GE 6000	13.3	13.7	22.3	24.3	31.1	33.8	35.5	38.1	38.4	38.8	39.5	39.6	39.6	39.7	40.0	40.1
GE 5000	13.5	13.9	22.7	24.7	31.8	34.5	36.2	38.8	39.1	39.6	40.2	40.3	40.3	40.4	40.8	40.9
GE 4500	13.9	14.2	23.1	25.2	32.4	35.1	37.0	39.7	40.0	40.5	41.2	41.3	41.3	41.4	41.7	41.8
GE 4000	14.6	14.9	24.4	26.9	34.4	37.3	39.2	42.3	42.9	43.4	44.1	44.2	44.2	44.3	44.6	44.7
GE 3500	15.8	16.1	25.7	28.2	35.7	38.8	41.1	44.1	44.8	45.4	46.0	46.1	46.1	46.2	46.6	46.8
GE 3000	17.7	18.2	28.3	31.1	38.9	42.2	44.4	47.4	48.2	48.7	49.4	49.5	49.5	49.6	49.9	50.2
GE 2500	21.3	22.0	32.6	35.6	43.5	46.8	49.1	52.3	53.0	53.7	54.3	54.4	54.4	54.5	54.8	55.2
GE 2000	25.5	26.2	37.4	40.6	48.9	52.2	54.5	57.7	58.5	59.2	59.9	60.0	60.0	60.1	60.4	60.8
GE 1800	26.6	27.3	38.7	41.9	50.4	53.8	56.1	59.4	60.1	60.9	61.5	61.6	61.6	61.7	62.0	62.4
GE 1500	30.9	31.7	43.9	47.3	56.6	60.4	62.9	66.6	67.4	68.3	69.0	69.1	69.1	69.2	69.6	69.9
GE 1200	33.5	34.5	47.3	51.4	61.8	65.9	68.4	72.0	72.9	73.8	74.5	74.6	74.6	74.7	75.1	75.4
GE 1000	34.9	36.0	49.1	53.7	64.9	69.5	72.4	76.3	77.2	78.2	78.9	79.0	79.0	79.1	79.5	79.8
GE 900	35.6	36.7	50.0	54.5	66.0	70.5	73.4	77.4	78.3	79.4	80.2	80.4	80.4	80.5	80.9	81.2
GE 800	35.9	37.0	50.9	55.5	67.1	71.7	75.2	79.5	80.3	81.5	82.4	82.6	82.6	82.7	83.0	83.3
GE 700	36.5	37.5	52.3	57.1	70.0	74.8	78.7	83.0	84.0	85.3	86.1	86.5	86.6	86.7	87.0	87.3
GE 600	36.5	37.5	52.5	57.3	70.3	75.3	79.2	84.0	84.9	86.2	87.1	87.4	87.5	87.6	88.0	88.3
GE 500	36.6	37.6	52.8	57.8	71.2	76.8	81.3	86.6	87.8	89.6	90.4	90.9	91.0	91.1	91.6	91.9
GE 400	36.7	37.7	52.9	58.0	71.5	77.5	82.3	87.5	88.8	91.1	92.0	92.5	92.6	92.7	93.3	93.7
GE 300	36.7	37.7	52.9	58.0	71.7	78.1	83.1	88.8	90.5	93.2	94.5	95.2	95.3	95.4	96.0	96.3
GE 200	36.7	37.7	52.9	58.0	71.7	78.1	83.1	88.8	90.5	93.4	94.8	95.8	96.0	96.2	97.1	97.8
GE 100	36.7	37.7	52.9	58.0	71.7	78.1	83.1	88.8	90.5	93.7	95.4	96.5	96.7	97.2	98.3	99.8
GE 000	36.7	37.7	52.9	58.0	71.7	78.1	83.1	88.8	90.5	93.7	95.4	96.5	96.7	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.2	18.6	23.5	24.8	26.6	27.0	27.3	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
GE 20000	20.0	20.5	27.0	28.6	31.0	31.5	31.8	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 18000	20.0	20.5	27.0	28.6	31.0	31.5	31.8	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 16000	20.0	20.5	27.0	28.6	31.0	31.5	31.8	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 14000	20.1	20.6	27.1	28.8	31.2	31.7	32.0	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
GE 12000	20.2	20.8	27.3	29.0	31.6	32.2	32.5	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
GE 10000	20.9	21.4	29.0	31.0	34.2	35.1	35.7	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 9000	21.0	21.5	29.4	31.4	34.6	35.5	36.2	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 8000	21.2	21.7	30.1	32.2	35.9	37.2	38.2	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 7000	21.8	22.4	30.8	32.8	36.6	37.8	38.8	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 6000	21.8	22.4	30.8	32.8	36.6	37.8	38.8	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 5000	22.6	23.1	31.7	33.9	37.8	39.1	40.1	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 4500	23.1	23.7	32.4	34.6	38.7	40.0	41.0	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 4000	25.3	25.8	34.6	36.9	41.0	42.3	43.4	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 3500	27.8	28.4	37.3	39.6	43.8	45.1	46.3	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 3000	33.1	33.9	43.4	46.0	50.4	51.7	53.0	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 2500	40.2	41.3	51.1	53.7	58.2	59.6	60.9	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 2000	47.2	48.4	58.9	61.7	66.6	68.4	69.7	70.2	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6
GE 1800	48.1	49.4	60.1	62.9	68.1	70.0	71.3	71.8	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3
GE 1500	53.9	55.5	67.2	70.4	76.5	78.9	80.2	80.9	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4
GE 1200	55.5	57.1	69.4	72.9	79.8	82.4	84.1	84.8	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4
GE 1000	57.5	59.1	72.0	76.1	83.5	86.3	88.3	89.0	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8
GE 900	58.1	59.7	72.9	77.3	84.7	87.6	89.6	90.3	90.9	91.1	91.1	91.1	91.1	91.2	91.2	91.2
GE 800	58.8	60.4	74.1	78.6	86.1	89.0	91.0	91.7	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7
GE 700	59.0	60.6	75.2	79.7	87.4	90.4	92.6	93.3	94.0	94.5	94.5	94.5	94.5	94.6	94.6	94.6
GE 600	59.0	60.6	75.2	79.7	87.4	90.4	92.6	93.5	94.3	94.8	94.8	94.8	94.8	94.9	94.9	94.9
GE 500	59.0	60.6	75.6	80.3	88.2	91.6	94.2	95.2	95.9	96.6	96.6	96.6	96.6	96.7	96.7	96.7
GE 400	59.0	60.6	75.6	80.3	88.4	91.8	94.5	95.8	96.7	97.3	97.3	97.3	97.3	97.4	97.4	97.4
GE 300	59.0	60.6	75.6	80.3	88.4	92.0	94.8	96.6	97.5	98.3	98.4	98.4	98.5	98.6	98.6	98.6
GE 200	59.0	60.6	75.6	80.3	88.4	92.0	94.8	96.6	97.5	98.3	98.4	98.4	98.6	98.8	99.2	99.2
GE 100	59.0	60.6	75.6	80.3	88.4	92.0	94.8	96.6	97.5	98.4	98.5	98.6	99.0	99.2	99.7	100.0
GE 000	59.0	60.6	75.6	80.3	88.4	92.0	94.8	96.6	97.5	98.4	98.5	98.6	99.0	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.8	25.2	29.5	30.0	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 20000	28.5	29.0	34.0	34.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 18000	28.8	29.4	34.3	34.8	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 16000	28.8	29.4	34.3	34.8	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 14000	28.8	29.4	34.4	34.9	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 12000	28.8	29.4	34.4	34.9	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 10000	31.0	31.5	37.3	38.0	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 9000	31.8	32.4	38.6	39.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 8000	32.8	33.5	40.1	41.2	42.5	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 7000	33.0	33.8	40.3	41.4	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 6000	33.0	33.8	40.3	41.4	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 5000	33.8	34.6	41.4	42.5	44.0	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 4500	34.6	35.6	42.4	43.4	45.1	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 4000	38.0	38.9	46.0	47.2	49.0	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 3500	42.8	43.8	51.5	52.9	55.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 3000	48.6	49.7	58.0	59.5	62.0	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 2500	56.2	57.3	66.2	68.0	70.8	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 2000	61.6	62.8	72.0	74.0	77.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1800	62.7	64.0	73.2	75.3	78.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 1500	66.9	68.3	78.1	80.5	84.7	86.5	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1200	68.8	70.3	80.6	83.3	87.8	89.7	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1000	69.8	71.3	82.3	85.1	90.4	92.3	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	70.0	71.5	82.7	85.5	91.0	92.8	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 800	70.6	72.2	83.5	86.5	92.0	93.9	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	70.6	72.2	83.7	86.7	92.6	94.4	95.7	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	70.6	72.2	83.7	86.7	92.8	94.6	96.0	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	70.6	72.2	83.7	87.1	93.3	95.2	96.8	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 400	70.6	72.2	83.7	87.1	93.3	95.2	96.8	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	70.6	72.2	83.7	87.1	93.3	95.4	97.0	97.7	98.3	98.6	98.8	98.9	98.9	99.0	99.0	99.0
GE 200	70.6	72.2	83.7	87.1	93.3	95.4	97.0	97.8	98.4	98.7	99.0	99.1	99.1	99.4	99.4	99.6
GE 100	70.6	72.2	83.7	87.1	93.3	95.4	97.0	97.8	98.4	98.7	99.0	99.1	99.2	99.7	99.7	100.0
GE 000	70.6	72.2	83.7	87.1	93.3	95.4	97.0	97.8	98.4	98.7	99.0	99.1	99.2	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.7	28.2	32.2	33.0	34.6	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 20000	32.8	33.2	37.4	38.3	39.9	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 18000	33.0	33.4	37.6	38.5	40.1	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000	33.0	33.4	37.6	38.5	40.1	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 14000	33.4	33.9	38.1	38.9	40.5	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 12000	33.8	34.2	38.5	39.4	41.0	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 10000	36.2	36.7	41.5	42.5	44.1	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 9000	37.7	38.2	43.1	44.1	45.9	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 8000	40.0	40.4	46.2	47.2	49.4	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 7000	41.0	41.4	47.2	48.2	50.3	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 6000	41.2	41.6	47.4	48.4	50.5	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 5000	43.1	43.5	49.5	50.4	52.6	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 4500	45.1	45.6	51.9	53.0	55.3	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4000	48.9	49.6	56.0	57.1	59.6	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 3500	53.0	53.7	60.5	61.6	64.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 3000	58.6	59.4	67.3	68.8	71.3	72.4	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 2500	63.0	63.8	72.3	73.8	76.7	77.7	77.7	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2000	67.1	67.8	76.5	78.1	81.7	82.9	82.9	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1800	67.4	68.2	77.2	78.8	82.5	83.8	83.8	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1500	69.5	70.2	80.4	82.4	86.5	88.0	88.6	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	71.5	72.3	82.7	84.8	89.1	90.6	91.3	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	72.0	72.8	83.8	85.9	90.4	91.9	92.7	93.1	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7
GE 900	72.0	72.8	84.0	86.1	91.0	92.5	93.2	93.7	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2
GE 800	72.6	73.3	84.6	86.8	91.9	93.4	94.3	94.7	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3
GE 700	72.9	73.7	85.2	87.6	92.9	94.4	95.3	95.8	95.9	96.3	96.3	96.5	96.5	96.5	96.5	96.5
GE 600	72.9	73.7	85.3	87.7	93.2	94.7	95.6	96.1	96.2	96.7	96.7	96.8	96.8	96.8	96.8	96.8
GE 500	72.9	73.7	85.4	87.8	93.4	95.2	96.3	97.0	97.2	97.7	97.8	98.0	98.0	98.0	98.0	98.0
GE 400	72.9	73.7	85.5	88.0	93.5	95.3	96.5	97.2	97.4	98.0	98.1	98.2	98.2	98.2	98.2	98.2
GE 300	72.9	73.7	85.5	88.0	93.5	95.5	96.7	97.5	97.7	98.6	98.8	98.9	99.0	99.1	99.1	99.1
GE 200	72.9	73.7	85.5	88.0	93.5	95.5	96.7	97.5	97.7	98.7	98.9	99.0	99.2	99.4	99.4	99.7
GE 100	72.9	73.7	85.5	88.0	93.5	95.5	96.7	97.5	97.7	98.8	99.0	99.1	99.4	99.6	99.6	100.0
GE 000	72.9	73.7	85.5	88.0	93.5	95.5	96.7	97.5	97.7	98.8	99.0	99.1	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.5	29.9	34.3	35.1	36.7	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.6	37.7	37.7	37.7
GE 20000	35.7	36.1	40.8	41.5	43.4	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.6	44.6	44.6
GE 18000	35.9	36.3	41.0	41.7	43.7	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.8	44.8	44.8
GE 16000	35.9	36.3	41.0	41.7	43.7	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.8	44.8	44.8
GE 14000	35.9	36.3	41.0	41.7	43.7	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.8	44.8	44.8
GE 12000	36.2	36.7	41.3	42.0	44.0	44.8	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.2	45.2	45.2
GE 10000	38.0	38.4	43.1	44.0	45.9	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.1	47.1	47.1
GE 9000	38.8	39.2	44.3	45.2	47.1	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.3	48.3	48.3
GE 8000	41.6	42.0	47.8	48.8	50.9	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.3	52.3	52.3
GE 7000	41.8	42.3	48.1	49.0	51.1	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.6	52.6	52.6
GE 6000	42.9	43.3	49.1	50.1	52.2	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.7	53.7	53.7
GE 5000	44.8	45.3	51.4	52.4	54.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.9	56.0	56.0	56.0
GE 4500	47.8	48.3	54.6	55.6	57.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.4	59.4	59.4
GE 4000	51.4	51.8	58.3	59.2	61.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.1	63.1	63.1
GE 3500	54.3	54.7	61.6	62.7	65.1	66.0	66.3	66.5	66.5	66.5	66.5	66.5	66.6	66.7	66.7	66.7
GE 3000	58.0	58.5	66.2	67.3	70.1	71.1	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7
GE 2500	61.6	62.2	70.4	71.6	75.1	76.0	76.3	76.5	76.5	76.5	76.5	76.5	76.6	76.7	76.7	76.7
GE 2000	66.0	66.7	75.3	76.6	80.2	81.2	81.5	81.6	81.6	81.7	81.7	81.7	81.8	81.9	81.9	81.9
GE 1800	67.7	68.4	77.0	78.3	81.9	82.9	83.2	83.3	83.3	83.4	83.4	83.4	83.5	83.7	83.7	83.7
GE 1500	70.5	71.2	80.2	82.4	86.6	87.7	88.1	88.2	88.2	88.4	88.4	88.4	88.5	88.6	88.6	88.6
GE 1200	72.6	73.2	82.5	84.6	89.0	90.2	90.5	90.6	90.6	90.9	90.9	90.9	91.0	91.1	91.1	91.1
GE 1000	74.2	74.9	84.8	87.2	91.8	93.0	93.3	93.4	93.4	93.7	93.7	93.7	93.8	93.9	93.9	93.9
GE 900	74.2	74.9	84.9	87.3	91.9	93.1	93.4	93.5	93.5	93.8	93.8	93.8	93.9	94.0	94.0	94.0
GE 800	74.5	75.3	85.3	87.7	92.5	93.7	94.0	94.1	94.1	94.3	94.3	94.3	94.4	94.5	94.5	94.5
GE 700	74.6	75.4	85.5	88.0	92.8	94.0	94.3	94.5	94.5	94.7	94.7	94.7	94.8	94.9	94.9	94.9
GE 600	74.6	75.4	85.9	88.5	93.3	94.5	94.8	95.1	95.1	95.3	95.3	95.3	95.4	95.5	95.5	95.5
GE 500	74.9	75.7	86.2	88.9	94.2	95.6	95.9	96.1	96.2	96.6	96.7	96.8	96.9	97.0	97.0	97.0
GE 400	75.2	75.9	86.5	89.1	94.5	96.0	96.3	96.9	97.2	97.6	97.7	97.8	98.0	98.1	98.1	98.1
GE 300	75.2	75.9	86.5	89.1	94.6	96.1	96.5	97.3	97.8	98.4	98.8	98.9	99.1	99.2	99.2	99.2
GE 200	75.2	75.9	86.5	89.1	94.6	96.1	96.5	97.3	97.8	98.5	98.9	99.0	99.2	99.4	99.4	99.7
GE 100	75.2	75.9	86.5	89.1	94.6	96.1	96.5	97.3	97.8	98.8	99.2	99.4	99.6	99.7	99.7	100.0
GE 000	75.2	75.9	86.5	89.1	94.6	96.1	96.5	97.3	97.8	98.8	99.2	99.4	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.8	21.2	25.8	27.0	29.5	30.3	30.7	31.1	31.4	31.6	31.7	31.7	31.7	31.7	31.8	31.9
GE 20000	24.2	24.6	29.9	31.3	34.2	35.1	35.6	36.1	36.4	36.5	36.6	36.7	36.7	36.8	36.8	37.0
GE 18000	24.3	24.7	30.1	31.4	34.3	35.3	35.7	36.2	36.5	36.7	36.8	36.8	36.8	36.9	36.9	37.1
GE 16000	24.3	24.7	30.1	31.4	34.3	35.3	35.7	36.2	36.5	36.7	36.8	36.8	36.8	36.9	36.9	37.1
GE 14000	24.4	24.8	30.2	31.6	34.5	35.4	35.9	36.4	36.7	36.9	37.0	37.0	37.1	37.1	37.2	37.3
GE 12000	24.9	25.3	30.8	32.2	35.3	36.2	36.7	37.2	37.5	37.7	37.8	37.8	37.9	37.9	38.0	38.1
GE 10000	26.2	26.6	32.6	34.2	37.5	38.5	39.1	39.7	40.0	40.2	40.3	40.3	40.3	40.4	40.5	40.7
GE 9000	26.8	27.2	33.4	35.1	38.5	39.6	40.2	40.8	41.1	41.3	41.4	41.4	41.5	41.5	41.6	41.8
GE 8000	28.0	28.5	35.1	36.8	40.6	42.0	42.8	43.5	43.8	44.0	44.2	44.2	44.3	44.3	44.4	44.6
GE 7000	28.4	28.9	35.6	37.3	41.0	42.5	43.3	44.1	44.4	44.6	44.7	44.8	44.8	44.9	44.9	45.1
GE 6000	28.6	29.2	35.8	37.6	41.3	42.7	43.6	44.3	44.6	44.8	45.0	45.0	45.1	45.1	45.2	45.4
GE 5000	29.7	30.2	37.1	38.9	42.9	44.3	45.1	45.9	46.2	46.4	46.6	46.6	46.6	46.7	46.8	47.0
GE 4500	31.0	31.6	38.6	40.4	44.7	46.1	47.0	47.8	48.1	48.3	48.5	48.5	48.5	48.6	48.7	48.9
GE 4000	33.6	34.2	41.5	43.4	47.9	49.5	50.5	51.3	51.8	52.0	52.2	52.2	52.2	52.3	52.4	52.6
GE 3500	36.2	36.8	44.4	46.4	51.1	52.7	53.7	54.6	55.1	55.3	55.5	55.6	55.6	55.7	55.7	56.0
GE 3000	40.0	40.7	48.9	51.2	56.2	57.9	59.0	59.9	60.4	60.6	60.8	60.9	60.9	61.0	61.0	61.3
GE 2500	44.4	45.2	53.8	56.2	61.5	63.2	64.3	65.3	65.8	66.1	66.3	66.3	66.3	66.4	66.5	66.7
GE 2000	49.2	50.1	59.1	61.7	67.4	69.2	70.4	71.4	72.1	72.3	72.5	72.6	72.6	72.7	72.7	73.0
GE 1800	50.3	51.3	60.4	63.0	68.8	70.7	71.9	72.9	73.5	73.8	74.0	74.0	74.1	74.1	74.2	74.4
GE 1500	54.3	55.3	65.2	68.3	74.7	76.9	78.2	79.4	80.1	80.4	80.6	80.7	80.7	80.8	80.9	81.1
GE 1200	56.3	57.3	67.6	70.9	77.9	80.2	81.6	82.9	83.6	83.9	84.1	84.2	84.2	84.3	84.3	84.6
GE 1000	57.7	58.8	69.6	73.2	80.7	83.1	84.8	86.1	86.9	87.3	87.5	87.5	87.6	87.6	87.7	88.0
GE 900	58.0	59.1	70.2	73.9	81.5	84.0	85.6	87.0	87.8	88.2	88.4	88.5	88.5	88.6	88.7	88.9
GE 800	58.6	59.7	71.2	75.0	82.8	85.3	87.1	88.6	89.4	89.9	90.2	90.3	90.3	90.4	90.4	90.7
GE 700	59.0	60.1	71.9	75.9	84.2	86.7	88.7	90.3	91.1	91.7	92.0	92.1	92.1	92.2	92.3	92.5
GE 600	59.0	60.1	72.1	76.2	84.5	87.1	89.2	90.8	91.7	92.3	92.5	92.7	92.7	92.8	92.9	93.1
GE 500	59.1	60.2	72.4	76.7	85.3	88.1	90.5	92.3	93.3	94.0	94.3	94.5	94.6	94.6	94.7	95.0
GE 400	59.2	60.3	72.5	76.8	85.5	88.5	91.0	93.0	94.1	94.9	95.3	95.4	95.5	95.6	95.7	96.0
GE 300	59.2	60.3	72.5	76.8	85.6	88.8	91.4	93.8	95.2	96.4	96.9	97.1	97.3	97.4	97.5	97.8
GE 200	59.2	60.3	72.5	76.9	85.7	88.8	91.5	94.0	95.3	96.6	97.2	97.4	97.6	97.9	98.1	98.6
GE 100	59.2	60.3	72.5	76.9	85.7	88.8	91.5	94.0	95.4	97.0	97.6	97.9	98.2	98.5	98.9	99.9
GE 000	59.2	60.3	72.5	76.9	85.7	88.8	91.5	94.0	95.4	97.0	97.6	97.9	98.2	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.7	42.6	44.4	44.4	46.5	47.1	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 20000	47.5	48.5	50.8	50.8	53.8	54.4	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	47.5	48.5	50.8	50.8	53.8	54.4	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 16000	47.5	48.5	50.8	50.8	53.8	54.4	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 14000	47.6	48.6	50.9	50.9	53.9	54.5	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 12000	47.9	48.9	51.3	51.3	54.3	54.8	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 10000	49.2	50.2	52.7	52.8	56.0	56.6	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 9000	49.8	50.8	53.5	53.6	57.2	57.7	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 8000	53.7	54.7	57.4	57.7	61.6	62.4	63.2	63.4	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 7000	54.4	55.4	58.2	58.6	62.5	63.3	64.0	64.3	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 6000	54.9	55.9	58.8	59.3	63.2	63.9	64.7	64.9	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	56.3	57.3	60.3	60.7	64.7	65.6	66.4	66.6	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4500	57.9	59.0	62.5	63.2	67.3	68.1	68.9	69.1	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	61.9	63.4	66.9	67.7	71.8	72.8	73.7	73.9	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	63.6	65.1	69.3	70.0	74.3	75.2	76.1	76.5	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3000	66.4	68.1	73.0	73.8	78.2	79.2	80.1	80.5	81.0	81.4	81.4	81.5	81.5	81.5	81.5	81.5
GE 2500	68.1	70.0	75.0	75.8	80.2	81.2	82.1	82.5	83.0	83.4	83.4	83.5	83.5	83.5	83.5	83.5
GE 2000	69.6	71.5	76.6	77.6	82.6	83.7	84.6	84.9	85.5	85.8	85.8	85.9	85.9	85.9	85.9	85.9
GE 1800	70.0	71.9	77.0	78.0	83.1	84.2	85.2	85.6	86.1	86.6	86.6	86.7	86.7	86.7	86.7	86.7
GE 1500	72.4	74.3	80.2	81.4	86.9	88.0	89.2	89.6	90.2	90.7	90.7	90.8	90.8	90.8	90.8	90.8
GE 1200	72.6	74.5	80.7	81.8	87.6	88.7	89.9	90.2	90.9	91.3	91.3	91.5	91.5	91.5	91.5	91.5
GE 1000	73.5	75.4	81.8	83.0	89.2	90.3	91.6	92.0	92.7	93.1	93.1	93.2	93.2	93.2	93.2	93.2
GE 900	73.7	75.6	82.1	83.4	89.6	90.7	91.9	92.3	93.0	93.5	93.5	93.6	93.6	93.6	93.6	93.6
GE 800	74.1	76.0	82.7	83.9	90.1	91.2	92.5	92.9	93.6	94.1	94.1	94.2	94.2	94.2	94.2	94.2
GE 700	74.5	76.4	83.0	84.2	90.5	91.6	92.8	93.3	94.3	95.2	95.2	95.3	95.3	95.3	95.3	95.3
GE 600	74.6	76.5	83.1	84.4	90.6	91.7	92.9	93.6	94.6	95.4	95.4	95.6	95.7	95.7	95.7	95.7
GE 500	74.7	76.6	83.6	84.8	91.2	92.5	93.7	94.7	95.7	96.6	96.6	96.7	96.8	96.8	96.8	96.8
GE 400	74.8	76.7	83.7	84.9	91.3	92.7	93.9	94.9	96.0	96.9	97.1	97.2	97.3	97.3	97.3	97.3
GE 300	74.9	76.8	83.8	85.0	91.7	93.3	94.9	95.9	97.0	97.9	98.1	98.2	98.3	98.3	98.3	98.3
GE 200	74.9	76.8	83.8	85.0	91.7	93.3	94.9	96.4	97.6	99.1	99.3	99.6	99.8	99.8	99.8	99.8
GE 100	74.9	76.8	83.8	85.0	91.7	93.3	94.9	96.4	97.6	99.1	99.3	99.6	100.0	100.0	100.0	100.0
GE 000	74.9	76.8	83.8	85.0	91.7	93.3	94.9	96.4	97.6	99.1	99.3	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 901

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.2	33.2	36.2	36.9	39.1	39.4	40.0	40.9	41.0	41.2	41.4	41.4	41.6	41.6	41.9	42.1
GE 20000	35.9	36.9	40.4	41.4	44.0	44.8	45.3	46.3	46.4	46.8	47.0	47.0	47.1	47.1	47.4	47.7
GE 18000	36.1	37.1	40.7	41.7	44.3	45.1	45.7	46.7	46.8	47.1	47.3	47.3	47.4	47.4	47.8	48.0
GE 16000	36.1	37.1	40.7	41.7	44.3	45.1	45.7	46.7	46.8	47.1	47.3	47.3	47.4	47.4	47.8	48.0
GE 14000	36.1	37.1	40.7	41.7	44.3	45.1	45.7	46.7	46.8	47.1	47.3	47.3	47.4	47.4	47.8	48.0
GE 12000	36.3	37.3	40.9	41.9	44.7	45.4	46.0	47.0	47.2	47.6	47.8	47.8	47.9	47.9	48.2	48.4
GE 10000	37.9	39.1	42.9	43.9	46.8	47.7	48.2	49.2	49.6	49.9	50.1	50.1	50.2	50.2	50.6	50.8
GE 9000	38.6	39.8	43.9	44.9	48.0	49.0	49.8	50.8	51.2	51.6	51.8	51.8	51.9	51.9	52.2	52.4
GE 8000	42.3	43.6	47.8	48.8	51.9	52.9	53.9	55.0	55.6	56.1	56.3	56.3	56.6	56.6	57.0	57.2
GE 7000	43.2	44.4	48.7	49.7	52.9	54.0	55.2	56.3	56.9	57.4	57.7	57.7	57.9	57.9	58.3	58.6
GE 6000	43.6	44.8	49.0	50.2	53.6	54.7	55.9	57.0	57.6	58.1	58.3	58.3	58.6	58.6	59.0	59.2
GE 5000	44.1	45.4	50.1	51.4	55.0	56.2	57.6	58.7	59.2	59.8	60.0	60.0	60.2	60.2	60.7	60.9
GE 4500	45.3	46.7	51.3	52.7	56.3	57.6	58.9	60.0	60.8	61.3	61.6	61.6	61.8	61.9	62.3	62.6
GE 4000	49.9	51.2	56.3	58.0	62.0	63.2	64.6	65.7	66.4	67.0	67.2	67.2	67.4	67.6	68.0	68.2
GE 3500	51.1	52.4	58.1	59.8	64.2	65.4	66.8	67.9	68.7	69.2	69.4	69.4	69.7	69.8	70.2	70.4
GE 3000	53.4	54.8	60.8	62.4	67.6	68.8	70.1	71.2	72.0	72.6	72.8	72.8	73.0	73.1	73.6	73.8
GE 2500	55.1	56.4	62.9	64.8	70.2	71.4	72.8	74.0	74.8	75.4	75.7	75.7	75.9	76.0	76.4	76.7
GE 2000	57.4	59.0	65.9	67.8	73.7	74.9	76.2	77.4	78.3	79.0	79.2	79.2	79.4	79.6	80.0	80.2
GE 1800	57.9	59.4	66.6	68.4	74.7	76.0	77.3	78.6	79.4	80.1	80.3	80.3	80.6	80.7	81.1	81.3
GE 1500	61.0	62.6	70.7	72.8	79.4	80.8	82.1	83.7	84.7	85.3	85.6	85.6	85.8	85.9	86.3	86.6
GE 1200	61.4	63.0	71.4	73.6	80.6	81.9	83.2	84.8	85.8	86.4	86.7	86.7	86.9	87.0	87.4	87.7
GE 1000	62.2	63.8	72.2	74.3	81.6	83.0	84.3	85.9	86.9	87.6	87.8	87.8	88.0	88.1	88.6	88.8
GE 900	62.4	64.0	72.7	74.8	82.0	83.4	84.8	86.4	87.6	88.2	88.4	88.4	88.7	88.8	89.2	89.4
GE 800	63.4	65.0	74.2	76.3	83.6	85.0	86.3	88.3	89.7	90.3	90.6	90.6	90.8	90.9	91.3	91.6
GE 700	64.6	66.1	75.6	77.8	85.3	86.8	88.1	90.1	91.8	92.7	92.9	92.9	93.1	93.2	93.7	93.9
GE 600	64.6	66.1	75.8	78.1	86.0	87.4	88.8	90.8	92.4	93.3	93.6	93.6	93.8	93.9	94.3	94.6
GE 500	64.6	66.1	75.8	78.1	86.6	88.1	89.6	91.9	93.6	95.0	95.2	95.2	95.4	95.6	96.0	96.2
GE 400	64.7	66.2	76.1	78.4	87.0	88.6	90.0	92.4	94.2	95.9	96.2	96.2	96.4	96.6	97.0	97.3
GE 300	64.7	66.2	76.1	78.4	87.0	88.6	90.0	92.6	94.7	96.3	96.8	96.8	97.0	97.2	97.7	98.0
GE 200	64.7	66.2	76.1	78.4	87.0	88.8	90.2	93.3	95.7	97.7	98.3	98.3	98.7	98.9	99.4	99.9
GE 100	64.7	66.2	76.1	78.4	87.0	88.8	90.2	93.3	95.7	97.7	98.3	98.3	98.7	98.9	99.4	100.0
GE 000	64.7	66.2	76.1	78.4	87.0	88.8	90.2	93.3	95.7	97.7	98.3	98.3	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.8	22.1	26.6	27.9	30.7	32.0	33.7	34.8	35.1	35.6	36.1	36.1	36.1	36.3	36.7	37.2
GE 20000	24.8	25.1	30.1	31.4	34.8	36.2	38.6	39.8	40.1	40.8	41.3	41.3	41.3	41.6	42.0	42.6
GE 18000	25.0	25.3	30.4	31.8	35.1	36.6	38.9	40.1	40.4	41.1	41.7	41.7	41.7	41.9	42.3	42.9
GE 16000	25.0	25.3	30.4	31.8	35.1	36.6	38.9	40.1	40.4	41.1	41.7	41.7	41.7	41.9	42.3	42.9
GE 14000	25.2	25.6	30.7	32.0	35.3	36.8	39.1	40.3	40.7	41.3	41.9	41.9	41.9	42.1	42.6	43.1
GE 12000	25.3	25.7	30.8	32.2	35.6	37.0	39.4	40.7	41.0	41.7	42.2	42.2	42.2	42.4	42.9	43.4
GE 10000	26.8	27.1	32.4	33.9	37.3	39.0	41.6	43.0	43.4	44.1	44.7	44.7	44.7	44.9	45.3	45.9
GE 9000	27.8	28.1	33.4	34.9	38.3	40.0	42.6	44.2	44.7	45.3	45.9	45.9	45.9	46.1	46.6	47.1
GE 8000	29.4	29.8	35.4	37.1	41.2	43.1	45.9	47.7	48.2	49.3	50.0	50.0	50.0	50.2	50.9	51.7
GE 7000	29.7	30.0	35.7	37.3	41.4	43.4	46.4	48.3	48.9	50.0	50.7	50.7	50.7	50.9	51.7	52.4
GE 6000	29.7	30.0	35.7	37.4	41.6	43.6	46.7	48.6	49.1	50.2	50.9	50.9	50.9	51.1	51.9	52.7
GE 5000	31.1	31.4	37.1	39.1	43.4	45.7	48.8	50.7	51.2	52.3	53.0	53.0	53.0	53.2	54.0	54.8
GE 4500	31.8	32.1	37.8	39.8	44.1	46.3	49.4	51.4	52.0	53.1	53.8	53.8	53.8	54.0	54.8	55.6
GE 4000	34.1	34.6	41.0	43.3	48.2	50.6	53.9	56.0	56.6	57.8	58.6	58.6	58.6	58.8	59.6	60.3
GE 3500	35.3	35.9	43.0	45.4	50.6	52.9	56.3	58.8	59.3	60.7	61.4	61.4	61.4	61.7	62.4	63.3
GE 3000	36.4	37.0	44.6	47.0	52.6	54.9	58.4	60.9	61.4	62.8	63.6	63.6	63.6	63.8	64.6	65.4
GE 2500	37.4	38.0	46.0	48.4	54.1	56.7	60.2	62.7	63.4	65.1	66.0	66.0	66.0	66.2	67.1	68.0
GE 2000	39.2	39.8	48.9	51.4	57.6	60.3	64.1	66.7	67.4	69.2	70.1	70.1	70.1	70.3	71.2	72.1
GE 1800	40.0	40.6	49.8	52.8	59.1	61.9	65.7	68.3	69.1	70.9	71.8	71.8	71.8	72.0	72.9	73.8
GE 1500	41.7	42.2	52.8	55.8	63.2	66.3	71.0	74.0	74.8	76.9	77.8	77.8	77.8	78.0	78.9	79.8
GE 1200	43.0	43.6	54.6	58.0	65.8	69.1	74.0	77.4	78.2	80.3	81.2	81.2	81.2	81.4	82.3	83.2
GE 1000	44.0	44.6	56.1	59.7	67.4	71.0	76.0	79.6	80.3	82.6	83.4	83.4	83.4	83.7	84.6	85.4
GE 900	44.7	45.2	56.8	60.3	68.2	71.8	76.8	80.3	81.2	83.7	84.6	84.6	84.6	84.8	85.7	86.6
GE 800	45.2	45.8	57.6	61.2	69.7	73.3	78.4	82.1	83.3	85.8	86.8	86.8	86.8	87.0	87.9	88.8
GE 700	45.9	46.4	58.4	62.7	71.8	75.6	80.7	84.3	85.7	88.1	89.2	89.3	89.4	89.7	90.6	91.4
GE 600	46.1	46.7	58.9	63.3	72.6	76.3	81.9	85.6	86.9	89.3	90.4	90.6	90.7	90.9	91.8	92.7
GE 500	46.2	46.8	59.0	63.4	73.2	77.4	83.2	87.1	88.6	91.3	92.8	92.9	93.0	93.2	94.1	95.0
GE 400	46.2	46.8	59.0	63.4	73.3	77.6	83.7	87.7	89.1	92.8	94.3	94.4	94.6	94.8	95.7	96.6
GE 300	46.2	46.8	59.0	63.4	73.3	77.6	83.7	87.8	89.2	93.1	94.7	94.8	94.9	95.1	96.0	96.9
GE 200	46.2	46.8	59.0	63.4	73.3	77.6	83.8	88.2	90.0	94.2	96.0	96.1	96.2	96.8	98.0	99.0
GE 100	46.2	46.8	59.0	63.4	73.3	77.6	83.8	88.2	90.1	94.3	96.1	96.2	96.3	97.0	98.2	99.8
GE 000	46.2	46.8	59.0	63.4	73.3	77.6	83.8	88.2	90.1	94.3	96.1	96.2	96.3	97.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.9	23.0	28.1	29.8	32.2	33.2	33.2	33.2	33.4	33.4	33.6	33.6	33.7	33.7	33.7	33.7
GE 20000	25.6	26.7	32.1	34.0	37.1	38.1	38.1	38.3	38.6	38.6	38.7	38.7	38.8	38.8	38.8	38.9
GE 18000	25.6	26.7	32.1	34.0	37.1	38.1	38.1	38.6	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.1
GE 16000	25.6	26.7	32.1	34.0	37.1	38.1	38.1	38.6	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.1
GE 14000	25.8	26.9	32.3	34.2	37.4	38.6	38.6	39.0	39.2	39.2	39.3	39.3	39.4	39.4	39.4	39.6
GE 12000	26.4	27.6	33.1	35.0	38.2	39.3	39.3	39.8	40.0	40.0	40.1	40.1	40.2	40.2	40.2	40.3
GE 10000	27.8	29.0	35.3	37.2	40.6	41.7	41.7	42.3	42.6	42.6	42.7	42.7	42.8	42.8	42.9	43.1
GE 9000	28.1	29.3	35.9	37.8	41.2	42.3	42.3	43.0	43.2	43.2	43.3	43.3	43.4	43.4	43.6	43.8
GE 8000	29.7	30.9	37.7	39.9	43.8	45.2	45.2	46.0	46.2	46.2	46.3	46.3	46.4	46.4	46.7	46.9
GE 7000	29.9	31.1	38.0	40.3	44.6	46.1	46.1	46.9	47.1	47.1	47.2	47.2	47.3	47.3	47.6	47.8
GE 6000	30.0	31.2	38.2	40.6	44.9	46.4	46.4	47.2	47.4	47.4	47.6	47.6	47.7	47.7	47.9	48.1
GE 5000	31.0	32.2	39.4	42.0	46.4	48.2	48.2	49.0	49.2	49.2	49.3	49.3	49.4	49.4	49.7	49.9
GE 4500	31.4	32.7	40.1	42.7	47.1	48.9	48.9	49.7	49.9	49.9	50.0	50.0	50.1	50.1	50.3	50.6
GE 4000	34.3	35.7	43.8	46.3	51.0	52.9	53.0	53.9	54.1	54.1	54.2	54.2	54.3	54.3	54.6	54.8
GE 3500	36.1	37.4	45.8	48.3	53.1	55.0	55.1	56.3	56.6	56.6	56.7	56.7	56.8	56.8	57.0	57.2
GE 3000	40.0	41.3	50.1	52.8	57.7	59.9	60.0	61.2	61.4	61.4	61.6	61.6	61.7	61.7	61.9	62.1
GE 2500	43.4	45.1	54.6	57.2	62.1	64.4	64.6	65.8	66.0	66.0	66.1	66.1	66.2	66.2	66.4	66.7
GE 2000	47.8	49.4	59.1	62.0	67.3	70.0	70.4	71.8	72.0	72.0	72.1	72.1	72.2	72.2	72.4	72.7
GE 1800	48.7	50.3	60.1	63.1	68.4	71.2	71.7	73.1	73.3	73.3	73.4	73.4	73.6	73.6	73.8	74.0
GE 1500	52.8	54.6	66.0	69.2	75.1	77.9	78.3	79.9	80.1	80.2	80.6	80.6	80.7	80.7	80.9	81.1
GE 1200	54.8	56.7	68.4	71.8	78.2	81.3	82.2	83.9	84.1	84.2	84.6	84.6	84.7	84.7	84.9	85.1
GE 1000	55.3	57.2	69.4	73.0	79.9	83.3	84.3	86.2	86.4	86.6	86.9	86.9	87.0	87.0	87.2	87.4
GE 900	55.6	57.4	69.9	73.6	80.4	83.9	84.9	86.8	87.1	87.2	87.6	87.6	87.7	87.7	87.9	88.1
GE 800	57.2	59.1	72.1	76.0	83.8	87.3	88.4	90.3	90.7	90.9	91.2	91.2	91.3	91.3	91.6	91.8
GE 700	57.6	59.4	73.0	77.0	85.2	88.9	90.3	92.7	93.1	93.3	93.7	93.7	93.8	93.8	94.0	94.2
GE 600	57.6	59.6	73.2	77.2	85.7	89.3	90.9	93.3	93.8	94.0	94.3	94.3	94.6	94.6	94.8	95.0
GE 500	57.6	59.6	73.3	77.3	85.9	89.9	91.6	94.4	95.2	95.4	95.9	95.9	96.2	96.2	96.4	96.7
GE 400	57.6	59.6	73.3	77.3	86.0	90.0	92.0	95.3	96.4	97.0	97.6	97.6	98.1	98.1	98.3	98.6
GE 300	57.6	59.6	73.3	77.3	86.0	90.0	92.0	95.3	96.7	97.3	98.3	98.6	98.9	99.0	99.2	99.4
GE 200	57.6	59.6	73.3	77.3	86.0	90.0	92.1	95.6	96.9	97.7	98.7	99.0	99.3	99.4	99.7	99.9
GE 100	57.6	59.6	73.3	77.3	86.0	90.0	92.1	95.6	96.9	97.7	98.7	99.0	99.3	99.6	99.8	100.0
GE 000	57.6	59.6	73.3	77.3	86.0	90.0	92.1	95.6	96.9	97.7	98.7	99.0	99.3	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	26.2	26.7	29.4	29.4	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
GE 20000	32.3	32.9	36.1	36.6	36.9	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 18000	32.3	32.9	36.1	36.6	36.9	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 16000	32.3	32.9	36.1	36.6	36.9	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 14000	32.4	33.1	36.3	36.8	37.3	37.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 12000	33.6	34.2	37.4	37.9	38.4	38.6	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 10000	35.2	36.0	39.3	39.8	40.3	40.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 9000	35.6	36.3	40.0	40.4	41.0	41.1	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 8000	38.2	39.0	42.9	43.4	44.1	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 7000	38.3	39.1	43.1	43.8	44.4	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 6000	38.6	39.3	43.3	44.0	44.7	44.8	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 5000	39.6	40.3	44.8	45.4	46.1	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 4500	40.8	41.7	46.2	47.0	47.7	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 4000	44.3	45.2	50.1	51.0	51.7	51.8	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 3500	46.9	48.0	53.4	54.4	55.2	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 3000	55.7	56.9	62.9	64.2	65.1	65.3	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 2500	61.9	63.3	69.4	71.1	72.1	72.4	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 2000	66.3	68.0	75.0	76.8	78.8	79.3	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1800	67.8	69.4	76.4	78.4	80.6	81.1	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1500	70.6	72.2	79.8	82.0	84.4	85.3	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1200	73.0	74.9	83.0	85.7	88.8	90.1	91.2	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	73.9	75.8	84.4	87.2	90.8	92.3	93.4	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	73.9	75.8	84.6	87.3	91.0	92.6	93.7	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	74.2	76.1	85.1	87.9	92.2	93.9	95.0	96.3	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 700	74.2	76.1	85.2	88.1	93.0	94.7	95.8	97.1	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 600	74.2	76.1	85.2	88.4	93.3	95.1	96.2	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	74.2	76.1	85.2	88.4	93.6	95.4	96.6	98.0	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	74.2	76.1	85.6	88.8	94.0	95.9	97.0	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	74.2	76.1	85.6	88.8	94.0	95.9	97.0	98.4	98.8	99.2	99.3	99.4	99.8	99.8	99.8	99.8
GE 200	74.2	76.1	85.6	88.8	94.0	95.9	97.0	98.4	98.8	99.3	99.6	99.7	100.0	100.0	100.0	100.0
GE 100	74.2	76.1	85.6	88.8	94.0	95.9	97.0	98.4	98.8	99.3	99.6	99.7	100.0	100.0	100.0	100.0
GE 000	74.2	76.1	85.6	88.8	94.0	95.9	97.0	98.4	98.8	99.3	99.6	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.6	25.1	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
GE 20000	31.3	32.0	33.2	33.2	33.6	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 18000	31.4	32.1	33.3	33.3	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 16000	31.6	32.2	33.4	33.4	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 14000	31.6	32.2	33.4	33.4	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 12000	32.2	32.9	34.1	34.1	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 10000	34.4	35.2	36.8	36.8	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 9000	35.6	36.3	38.2	38.2	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 8000	38.6	39.3	41.4	41.6	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 7000	39.3	40.1	42.2	42.3	42.8	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 6000	39.7	40.4	42.6	42.7	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 5000	41.9	42.8	45.4	45.6	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 4500	43.8	44.8	47.8	47.9	48.4	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 4000	51.7	52.9	56.6	56.9	57.4	57.4	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 3500	57.9	59.1	63.0	63.3	64.1	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 3000	66.1	67.6	72.1	72.4	73.9	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 2500	69.9	71.7	76.6	77.4	79.4	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 2000	72.8	74.8	80.6	81.6	83.9	84.0	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1800	74.0	76.0	81.8	82.8	85.1	85.4	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1500	76.4	78.4	85.3	86.7	89.3	89.7	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	77.6	79.6	86.8	88.3	91.4	91.9	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1000	78.4	80.6	88.3	90.3	93.7	94.1	95.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	78.4	80.6	88.6	90.6	93.9	94.3	95.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	78.4	80.6	88.7	90.8	94.7	95.1	96.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	78.4	80.6	88.7	91.0	95.0	95.6	96.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	78.6	80.7	88.8	91.1	95.2	95.8	96.9	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	78.6	80.7	88.8	91.4	95.7	96.2	97.3	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	78.6	80.7	88.8	91.4	95.7	96.3	97.4	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	78.6	80.7	88.8	91.4	95.7	96.4	97.6	99.1	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9
GE 200	78.6	80.7	88.8	91.4	95.7	96.4	97.7	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	78.6	80.7	88.8	91.4	95.7	96.4	97.7	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	78.6	80.7	88.8	91.4	95.7	96.4	97.7	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.8	34.6	35.9	36.1	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	41.3	42.2	44.4	44.9	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 18000	41.3	42.2	44.4	44.9	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 16000	41.4	42.3	44.6	45.0	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 14000	41.7	42.6	44.8	45.2	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 12000	43.2	44.1	46.3	46.8	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 10000	46.1	47.0	49.9	50.4	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 9000	47.6	48.6	51.6	52.1	52.7	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000	51.6	52.6	55.8	56.4	57.0	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 7000	52.3	53.3	56.7	57.3	57.9	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 6000	52.9	53.9	57.6	58.2	58.9	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 5000	56.2	57.3	61.0	61.7	62.3	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 4500	58.2	59.3	63.1	63.8	64.6	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4000	62.7	63.9	68.6	69.4	70.3	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3500	66.7	67.9	73.1	74.2	75.3	75.8	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000	71.0	72.2	77.9	79.3	80.8	81.3	81.6	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500	72.2	73.4	79.3	80.9	82.8	83.6	83.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 2000	74.0	75.3	81.4	83.1	85.3	86.1	86.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1800	74.2	75.6	81.8	83.4	85.8	86.6	86.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1500	75.3	76.7	82.9	85.0	88.0	88.9	89.2	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	76.0	77.3	83.7	85.9	89.0	90.2	90.7	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	76.4	77.8	84.3	86.7	90.3	91.7	92.1	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	76.4	77.8	84.3	86.7	90.3	91.7	92.1	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 800	76.6	77.9	84.7	87.0	90.8	92.2	92.7	94.4	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	76.7	78.0	84.8	87.2	91.1	92.6	93.0	95.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 600	76.7	78.0	84.9	87.3	91.4	93.2	93.8	96.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 500	76.7	78.0	84.9	87.4	92.2	94.0	94.8	97.3	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	76.7	78.0	85.0	87.6	92.3	94.2	95.0	97.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	76.7	78.0	85.0	87.6	92.3	94.2	95.0	97.8	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	76.7	78.0	85.0	87.6	92.3	94.2	95.0	97.8	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	76.7	78.0	85.0	87.6	92.3	94.2	95.0	97.8	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	76.7	78.0	85.0	87.6	92.3	94.2	95.0	97.8	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.9	43.7	45.0	45.3	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	48.4	49.4	51.3	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 18000	48.4	49.4	51.3	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 16000	48.4	49.4	51.3	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 14000	48.4	49.4	51.3	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 12000	49.4	50.4	52.3	53.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 10000	52.6	53.6	55.6	56.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	53.8	54.9	56.9	57.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	58.0	59.1	61.4	62.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 7000	58.8	60.0	62.4	63.5	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 6000	59.0	60.2	62.9	64.0	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 5000	61.2	62.5	65.1	66.5	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4500	64.7	65.9	68.7	70.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	67.8	69.2	72.2	73.8	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 3500	70.3	71.9	75.6	77.3	78.8	79.0	79.1	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
GE 3000	72.8	74.6	78.4	80.2	82.2	82.3	82.5	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	74.6	76.4	80.5	82.4	84.5	84.6	84.9	85.1	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5
GE 2000	76.3	78.1	82.4	84.3	86.6	86.7	87.0	87.2	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
GE 1800	76.5	78.3	82.6	84.7	87.2	87.4	87.6	87.9	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
GE 1500	78.0	79.7	84.6	87.0	90.1	90.5	90.8	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
GE 1200	78.3	80.1	85.3	87.6	91.0	91.4	91.6	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
GE 1000	78.7	80.5	86.2	88.8	92.4	92.9	93.1	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	78.7	80.5	86.2	88.9	92.5	93.0	93.2	93.4	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	78.8	80.6	86.3	89.0	93.1	93.5	93.9	94.5	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	79.0	80.7	86.5	89.2	93.4	93.9	94.2	95.0	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 600	79.0	80.7	86.5	89.3	93.5	94.0	94.3	95.1	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	79.0	80.7	86.7	89.6	94.1	94.5	94.9	96.0	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	79.0	80.7	87.0	89.9	94.3	94.8	95.1	96.5	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	79.0	80.7	87.0	89.9	94.5	95.0	95.4	96.9	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	79.0	80.7	87.0	89.9	94.5	95.0	95.4	97.0	98.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	79.0	80.7	87.0	89.9	94.5	95.0	95.4	97.0	98.2	99.3	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	79.0	80.7	87.0	89.9	94.5	95.0	95.4	97.0	98.2	99.3	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.6	31.4	33.9	34.4	35.8	36.2	36.5	36.8	36.9	36.9	37.1	37.1	37.1	37.1	37.2	37.3
GE 20000	35.9	36.7	39.8	40.5	42.3	42.8	43.3	43.7	43.8	43.9	44.0	44.0	44.0	44.0	44.1	44.3
GE 18000	36.0	36.8	39.9	40.6	42.4	42.9	43.5	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.4
GE 16000	36.0	36.8	39.9	40.7	42.5	43.0	43.5	43.9	43.9	44.1	44.2	44.2	44.2	44.2	44.3	44.4
GE 14000	36.1	36.9	40.1	40.8	42.6	43.1	43.7	44.0	44.1	44.3	44.4	44.4	44.4	44.4	44.5	44.6
GE 12000	36.8	37.6	40.8	41.5	43.4	43.9	44.5	44.8	44.9	45.0	45.2	45.2	45.2	45.2	45.3	45.4
GE 10000	38.7	39.6	43.1	43.9	45.9	46.5	47.0	47.5	47.6	47.7	47.8	47.8	47.9	47.9	48.0	48.1
GE 9000	39.6	40.5	44.2	45.0	47.0	47.7	48.3	48.8	48.9	49.0	49.1	49.1	49.2	49.2	49.3	49.4
GE 8000	42.7	43.6	47.5	48.4	50.7	51.4	52.1	52.6	52.8	53.0	53.2	53.2	53.2	53.2	53.4	53.5
GE 7000	43.2	44.2	48.1	49.1	51.4	52.2	53.0	53.5	53.6	53.9	54.0	54.0	54.0	54.1	54.3	54.4
GE 6000	43.5	44.5	48.5	49.5	51.9	52.7	53.5	54.0	54.1	54.4	54.5	54.5	54.5	54.6	54.8	54.9
GE 5000	45.2	46.2	50.4	51.5	54.0	54.8	55.6	56.1	56.3	56.6	56.7	56.7	56.7	56.8	57.0	57.1
GE 4500	46.7	47.8	52.2	53.4	55.9	56.7	57.5	58.0	58.3	58.5	58.6	58.6	58.7	58.7	58.9	59.1
GE 4000	50.8	52.0	56.9	58.3	61.0	61.9	62.7	63.3	63.5	63.8	63.9	63.9	64.0	64.0	64.2	64.3
GE 3500	53.5	54.7	60.2	61.6	64.5	65.4	66.3	66.9	67.3	67.6	67.7	67.7	67.7	67.8	68.0	68.1
GE 3000	57.7	59.1	65.0	66.5	69.7	70.7	71.7	72.5	72.8	73.1	73.2	73.2	73.3	73.3	73.5	73.7
GE 2500	60.3	61.8	68.0	69.8	73.2	74.2	75.2	76.0	76.4	76.7	76.9	76.9	76.9	77.0	77.2	77.3
GE 2000	62.9	64.5	71.2	73.1	77.0	78.1	79.2	80.0	80.4	80.7	80.9	80.9	81.0	81.0	81.2	81.4
GE 1800	63.6	65.2	72.0	74.0	78.0	79.2	80.3	81.2	81.5	81.9	82.1	82.1	82.1	82.2	82.4	82.5
GE 1500	66.0	67.6	75.3	77.5	82.1	83.4	84.7	85.7	86.2	86.6	86.8	86.8	86.9	86.9	87.1	87.3
GE 1200	67.1	68.7	76.7	79.1	84.0	85.6	87.0	88.2	88.6	89.1	89.3	89.3	89.3	89.4	89.6	89.7
GE 1000	67.8	69.4	77.9	80.4	85.7	87.3	88.7	90.2	90.6	91.1	91.3	91.3	91.3	91.4	91.6	91.7
GE 900	68.0	69.6	78.1	80.7	86.0	87.7	89.1	90.5	91.1	91.6	91.8	91.8	91.8	91.9	92.1	92.2
GE 800	68.5	70.1	78.9	81.5	87.2	89.0	90.4	92.1	92.7	93.3	93.5	93.5	93.5	93.6	93.8	93.9
GE 700	68.8	70.5	79.4	82.2	88.2	89.9	91.4	93.2	94.1	94.8	95.0	95.0	95.1	95.1	95.3	95.5
GE 600	68.9	70.5	79.6	82.4	88.5	90.4	92.0	93.8	94.7	95.4	95.6	95.6	95.7	95.8	96.0	96.1
GE 500	68.9	70.6	79.7	82.6	89.1	91.0	92.7	94.8	95.8	96.6	96.9	96.9	97.0	97.0	97.2	97.4
GE 400	69.0	70.6	79.8	82.7	89.2	91.2	93.0	95.2	96.3	97.4	97.7	97.8	97.9	97.9	98.1	98.3
GE 300	69.0	70.6	79.8	82.7	89.3	91.4	93.2	95.5	96.6	97.8	98.3	98.4	98.5	98.6	98.8	99.0
GE 200	69.0	70.6	79.8	82.7	89.3	91.4	93.3	95.7	97.0	98.3	98.9	99.1	99.2	99.3	99.6	99.8
GE 100	69.0	70.6	79.8	82.7	89.3	91.4	93.3	95.7	97.0	98.4	98.9	99.1	99.3	99.4	99.7	100.0
GE 000	69.0	70.6	79.8	82.7	89.3	91.4	93.3	95.7	97.0	98.4	98.9	99.1	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.6	43.2	45.9	46.6	48.7	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 20000	47.8	48.5	51.6	52.3	54.4	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	48.2	48.8	51.9	52.6	54.7	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 16000	48.2	48.8	51.9	52.6	54.7	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 14000	48.2	48.8	51.9	52.6	54.7	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	48.3	48.9	52.0	52.7	54.8	55.3	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 10000	51.5	52.2	55.5	56.1	58.4	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 9000	52.5	53.1	56.6	57.2	59.5	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 8000	56.9	57.5	61.8	62.5	64.7	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 7000	57.3	58.0	62.3	62.9	65.2	65.7	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 6000	58.1	58.7	63.0	63.7	66.0	66.6	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0
GE 5000	60.6	61.5	65.9	66.6	69.6	70.1	70.3	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6
GE 4500	62.7	63.7	68.3	68.9	72.0	72.6	72.8	72.9	72.9	73.1	73.1	73.1	73.2	73.2	73.2	73.2
GE 4000	64.6	65.8	70.8	71.5	74.8	75.4	75.6	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0
GE 3500	67.5	68.7	73.8	74.5	78.1	78.7	78.9	79.0	79.0	79.2	79.2	79.2	79.4	79.4	79.4	79.4
GE 3000	69.2	70.5	76.3	77.1	81.0	81.6	81.9	82.0	82.0	82.3	82.3	82.3	82.4	82.4	82.4	82.4
GE 2500	70.8	72.0	78.0	78.7	82.7	83.3	83.8	84.0	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3
GE 2000	73.3	74.6	81.1	81.9	86.0	86.7	87.1	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.6
GE 1800	73.5	74.8	81.4	82.3	86.5	87.1	87.5	87.7	87.7	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 1500	75.1	76.3	83.1	84.0	88.4	89.1	89.7	89.9	89.9	90.1	90.1	90.1	90.2	90.2	90.2	90.2
GE 1200	76.8	78.1	85.1	85.9	90.6	91.5	92.0	92.4	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.9
GE 1000	77.5	78.8	85.9	86.8	91.6	92.5	93.1	93.8	94.0	94.2	94.2	94.3	94.4	94.4	94.4	94.5
GE 900	78.1	79.4	86.6	87.4	92.3	93.2	93.9	94.7	94.9	95.2	95.2	95.3	95.4	95.4	95.4	95.5
GE 800	78.8	80.1	87.3	88.2	93.4	94.4	95.1	96.0	96.2	96.5	96.5	96.6	96.7	96.7	96.7	96.8
GE 700	78.9	80.2	87.6	88.5	94.0	94.9	95.9	96.9	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.6
GE 600	78.9	80.2	87.7	88.6	94.3	95.3	96.2	97.2	97.4	97.6	97.6	97.7	97.8	97.8	97.8	98.0
GE 500	79.0	80.3	88.0	88.8	94.7	95.7	96.7	97.6	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.4
GE 400	79.0	80.3	88.1	89.0	95.1	96.1	97.1	98.1	98.3	98.5	98.5	98.6	98.7	98.7	98.8	98.9
GE 300	79.0	80.3	88.1	89.0	95.1	96.1	97.1	98.2	98.4	98.7	98.7	98.8	98.9	98.9	99.0	99.1
GE 200	79.0	80.3	88.1	89.0	95.1	96.1	97.2	98.3	98.6	98.9	99.1	99.2	99.4	99.4	99.5	99.6
GE 100	79.0	80.3	88.1	89.0	95.1	96.1	97.3	98.4	98.7	99.0	99.2	99.4	99.7	99.7	99.9	100.0
GE 000	79.0	80.3	88.1	89.0	95.1	96.1	97.3	98.4	98.7	99.0	99.2	99.4	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.9	35.6	39.5	40.6	43.4	43.5	44.0	44.8	45.6	46.1	46.1	46.1	46.1	46.1	46.3	46.4
GE 20000	37.4	38.1	42.3	43.5	46.6	46.7	47.4	48.1	49.0	49.5	49.5	49.6	49.6	49.6	49.8	49.9
GE 18000	37.6	38.3	42.5	43.7	46.8	46.9	47.6	48.3	49.2	49.7	49.8	49.8	49.8	49.8	50.1	50.2
GE 16000	37.7	38.4	42.6	43.8	46.9	47.0	47.7	48.4	49.3	49.8	49.9	49.9	49.9	49.9	50.2	50.3
GE 14000	37.7	38.4	42.6	43.8	46.9	47.0	47.7	48.4	49.3	49.8	49.9	49.9	49.9	49.9	50.2	50.3
GE 12000	37.8	38.5	42.9	44.1	47.3	47.4	48.0	48.8	49.6	50.2	50.3	50.3	50.3	50.3	50.5	50.6
GE 10000	40.8	41.7	46.3	47.5	50.8	51.0	51.7	52.4	53.3	53.8	53.9	53.9	53.9	53.9	54.1	54.4
GE 9000	41.9	42.8	47.5	48.8	52.1	52.4	53.1	53.9	54.9	55.3	55.4	55.4	55.4	55.4	55.7	55.9
GE 8000	45.2	46.5	52.1	53.5	56.8	57.2	57.8	58.8	59.6	60.2	60.3	60.3	60.4	60.4	60.6	60.8
GE 7000	45.7	47.0	52.6	54.0	57.4	57.7	58.4	59.4	60.3	60.8	60.9	60.9	61.0	61.0	61.2	61.5
GE 6000	46.2	47.5	53.1	54.5	57.8	58.1	58.9	59.8	60.7	61.2	61.4	61.4	61.5	61.5	61.7	61.9
GE 5000	47.7	49.0	55.4	56.8	60.7	61.0	61.9	63.1	63.9	64.5	64.6	64.6	64.7	64.7	64.9	65.1
GE 4500	49.3	50.6	57.2	58.8	63.1	63.4	64.3	65.6	66.6	67.2	67.3	67.3	67.4	67.4	67.6	67.8
GE 4000	50.4	51.7	58.6	60.3	64.9	65.3	66.2	67.7	68.8	69.3	69.4	69.4	69.5	69.5	69.8	70.0
GE 3500	52.6	54.0	61.1	63.0	67.8	68.2	69.1	70.6	71.7	72.3	72.4	72.4	72.6	72.6	72.8	73.0
GE 3000	54.1	55.5	63.1	64.9	70.3	70.7	71.6	73.3	74.4	75.0	75.1	75.1	75.2	75.2	75.5	75.7
GE 2500	55.5	56.9	64.6	66.5	71.9	72.7	73.6	75.5	76.5	77.2	77.3	77.3	77.4	77.4	77.6	77.8
GE 2000	57.4	58.8	66.5	68.6	74.2	75.0	76.0	77.8	79.0	79.7	79.8	79.8	79.9	79.9	80.1	80.3
GE 1800	57.9	59.3	67.1	69.1	74.7	75.6	76.5	78.4	79.5	80.2	80.3	80.3	80.4	80.4	80.6	80.8
GE 1500	60.7	62.2	70.1	72.4	78.1	79.2	80.3	82.3	83.5	84.2	84.3	84.3	84.4	84.4	84.6	84.8
GE 1200	61.6	63.1	71.7	74.2	80.4	81.6	82.8	84.8	86.0	86.7	86.8	86.8	86.9	86.9	87.1	87.3
GE 1000	62.8	64.3	73.4	76.0	82.5	83.9	85.0	87.2	88.5	89.1	89.2	89.2	89.3	89.3	89.6	89.8
GE 900	63.4	64.9	74.5	77.2	83.7	85.1	86.3	88.6	90.0	90.6	90.7	90.7	90.9	90.9	91.1	91.3
GE 800	63.6	65.2	75.1	77.8	84.6	86.0	87.4	89.7	91.1	91.7	91.8	91.8	91.9	91.9	92.1	92.4
GE 700	64.2	65.8	75.8	78.6	85.4	86.8	88.5	90.7	92.4	93.1	93.2	93.2	93.3	93.3	93.5	93.8
GE 600	64.4	66.0	76.0	78.8	85.6	87.0	88.7	91.0	92.6	93.3	93.4	93.4	93.5	93.5	93.8	94.0
GE 500	64.5	66.1	76.2	79.0	85.9	87.3	89.2	91.5	93.3	94.4	94.5	94.5	94.6	94.6	94.8	95.0
GE 400	64.6	66.2	76.4	79.7	86.5	87.9	89.9	92.1	94.0	95.0	95.4	95.4	95.5	95.5	95.8	96.3
GE 300	64.6	66.2	76.4	79.7	86.7	88.1	90.2	92.6	94.5	95.7	96.1	96.1	96.3	96.4	96.8	97.4
GE 200	64.6	66.2	76.4	79.7	86.7	88.1	90.2	92.6	94.7	96.3	97.0	97.0	97.2	97.4	98.0	98.7
GE 100	64.6	66.2	76.4	79.7	86.7	88.1	90.2	92.6	94.8	96.4	97.2	97.2	97.4	97.7	98.5	99.9
GE 000	64.6	66.2	76.4	79.7	86.7	88.1	90.2	92.6	94.8	96.4	97.2	97.2	97.4	97.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	26.4	27.0	30.5	31.5	34.0	35.1	35.6	36.0	36.2	36.4	36.6	36.7	36.9	36.9	37.0	37.0
GE 20000	29.7	30.4	34.3	35.8	38.9	40.0	40.8	41.3	41.6	41.9	42.2	42.3	42.5	42.6	42.7	42.7
GE 18000	29.8	30.5	34.4	36.0	39.0	40.2	40.9	41.4	41.7	42.0	42.3	42.4	42.6	42.7	42.8	42.8
GE 16000	29.8	30.5	34.4	36.0	39.0	40.2	40.9	41.4	41.7	42.0	42.3	42.4	42.6	42.7	42.8	42.8
GE 14000	29.8	30.5	34.4	36.0	39.0	40.2	40.9	41.4	41.7	42.0	42.3	42.4	42.6	42.7	42.8	42.8
GE 12000	30.4	31.0	35.3	36.8	39.8	41.0	41.9	42.4	42.6	42.9	43.3	43.4	43.6	43.7	43.8	43.8
GE 10000	32.8	33.5	38.4	40.3	43.6	45.1	46.1	46.6	46.8	47.3	47.7	47.9	48.1	48.2	48.4	48.7
GE 9000	33.7	34.3	39.5	41.4	44.8	46.4	47.4	48.0	48.2	48.7	49.1	49.3	49.5	49.6	49.8	50.1
GE 8000	36.1	36.9	43.8	46.4	50.6	52.2	53.3	54.0	54.3	54.7	55.1	55.3	55.5	55.7	55.9	56.1
GE 7000	36.7	37.6	44.6	47.1	51.3	53.0	54.0	54.9	55.1	55.7	56.1	56.3	56.5	56.6	56.8	57.1
GE 6000	36.8	37.8	45.0	47.6	51.8	53.4	54.5	55.3	55.5	56.1	56.5	56.7	56.9	57.1	57.3	57.5
GE 5000	38.3	39.3	46.8	49.5	53.8	55.4	56.6	57.6	57.9	58.4	59.0	59.2	59.4	59.5	59.7	60.0
GE 4500	38.9	39.8	47.5	50.2	55.0	56.7	58.0	59.1	59.4	60.0	60.5	60.7	60.9	61.0	61.2	61.5
GE 4000	39.6	40.6	48.4	51.2	56.4	58.3	59.7	60.9	61.5	62.0	62.5	62.8	63.0	63.1	63.3	63.5
GE 3500	40.2	41.1	49.3	52.2	57.7	59.7	61.4	62.5	63.1	63.6	64.2	64.4	64.6	64.7	65.0	65.2
GE 3000	41.8	42.7	51.2	54.4	60.3	62.3	64.0	65.2	65.8	66.3	67.0	67.2	67.4	67.5	67.9	68.1
GE 2500	43.2	44.1	52.9	56.5	62.5	64.7	66.7	68.0	68.7	69.3	70.0	70.2	70.4	70.5	70.9	71.4
GE 2000	45.1	46.1	55.2	58.9	65.0	67.4	69.6	71.4	72.0	72.7	73.4	73.6	73.8	74.0	74.5	74.9
GE 1800	45.5	46.5	55.7	59.3	65.4	67.8	70.1	71.8	72.4	73.1	73.8	74.1	74.3	74.4	74.9	75.3
GE 1500	47.6	48.7	59.1	63.2	70.0	72.4	74.9	76.6	77.3	78.0	78.8	79.0	79.2	79.3	79.9	80.3
GE 1200	49.6	50.7	61.9	66.1	73.8	76.4	79.3	81.4	82.0	82.8	83.5	83.7	84.0	84.1	84.6	85.0
GE 1000	51.2	52.4	64.3	68.7	76.5	79.4	82.5	84.9	85.7	86.7	87.4	87.6	87.8	87.9	88.5	88.9
GE 900	51.7	52.9	64.7	69.2	77.5	80.4	83.5	86.0	86.8	87.8	88.6	88.8	89.0	89.1	89.7	90.1
GE 800	51.8	53.1	65.7	70.4	79.0	81.9	85.0	87.6	88.4	89.5	90.2	90.4	90.6	90.7	91.3	91.7
GE 700	52.1	53.4	66.0	70.9	80.3	83.6	87.0	89.6	90.3	91.5	92.2	92.5	92.7	92.8	93.3	93.8
GE 600	52.1	53.4	66.1	71.2	80.5	84.0	87.4	90.2	91.0	92.1	92.9	93.1	93.3	93.4	94.0	94.4
GE 500	52.6	53.9	67.0	72.2	81.7	85.1	88.8	91.9	92.9	94.2	94.9	95.2	95.4	95.5	96.0	96.7
GE 400	52.7	54.0	67.1	72.3	81.9	85.4	89.0	92.4	93.3	94.6	95.4	95.6	95.8	95.9	96.4	97.3
GE 300	52.7	54.0	67.1	72.3	82.1	85.7	89.6	93.0	94.1	95.8	96.6	96.8	97.0	97.1	97.6	98.6
GE 200	52.7	54.0	67.1	72.3	82.1	85.7	89.6	93.1	94.2	96.2	97.1	97.3	97.5	97.7	98.3	99.6
GE 100	52.7	54.0	67.1	72.3	82.1	85.7	89.7	93.3	94.4	96.4	97.3	97.5	97.7	98.2	98.7	100.0
GE 000	52.7	54.0	67.1	72.3	82.1	85.7	89.7	93.3	94.4	96.4	97.3	97.5	97.7	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.2	29.8	33.2	34.1	35.1	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 20000	32.6	33.1	37.7	38.9	40.0	40.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 18000	32.8	33.3	38.0	39.1	40.2	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000	32.9	33.4	38.1	39.2	40.3	40.3	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 14000	33.1	33.7	38.3	39.5	40.5	40.5	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 12000	33.3	33.9	38.5	39.7	40.8	40.8	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 10000	35.1	35.6	41.2	42.5	43.7	43.7	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 9000	35.5	36.0	41.8	43.1	44.4	44.5	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 8000	37.8	38.5	45.3	47.0	48.6	48.7	49.1	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 7000	38.4	39.0	45.9	47.6	49.5	49.6	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 6000	38.5	39.1	46.2	48.0	49.8	49.9	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 5000	39.9	40.9	48.1	49.9	51.7	51.8	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 4500	40.8	41.8	49.2	51.1	53.0	53.1	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 4000	42.3	43.3	51.0	53.2	55.3	55.4	55.9	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 3500	44.7	45.8	53.4	55.7	58.0	58.2	58.9	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 3000	49.8	51.1	58.9	61.2	63.4	63.7	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 2500	53.4	54.8	63.2	65.6	68.4	68.8	69.6	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 2000	58.9	60.3	69.5	72.2	75.2	75.6	76.5	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1800	60.3	61.7	71.2	73.9	77.0	77.5	78.4	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1500	65.7	67.1	78.1	80.9	84.1	84.6	85.5	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1200	68.6	70.0	81.5	84.9	88.8	89.4	90.3	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	70.2	71.6	83.4	87.3	91.5	92.2	93.1	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	70.5	71.9	83.9	87.7	92.0	92.7	93.7	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 800	71.0	72.4	84.8	89.0	93.3	94.3	95.4	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 700	71.1	72.5	85.1	89.4	94.3	95.6	96.7	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 600	71.2	72.6	85.2	89.5	94.5	95.8	97.0	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	71.2	72.6	85.3	89.8	94.9	96.3	98.0	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 400	71.2	72.6	85.3	89.9	95.1	96.5	98.1	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 300	71.2	72.6	85.3	89.9	95.1	96.5	98.1	98.7	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.6
GE 200	71.2	72.6	85.3	89.9	95.1	96.5	98.1	98.7	98.9	99.6	99.6	99.6	99.7	99.7	99.7	99.8
GE 100	71.2	72.6	85.3	89.9	95.1	96.5	98.1	98.7	98.9	99.6	99.6	99.6	99.7	99.8	99.9	100.0
GE 000	71.2	72.6	85.3	89.9	95.1	96.5	98.1	98.7	98.9	99.6	99.6	99.6	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.2	29.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
GE 20000	34.9	36.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 18000	35.3	36.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 16000	35.3	36.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 14000	35.3	36.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 12000	36.7	37.7	39.1	39.1	39.2	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 10000	38.6	39.7	41.9	41.9	42.0	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 9000	39.6	40.6	43.0	43.0	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 8000	41.2	42.3	44.7	44.7	45.1	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 7000	41.8	42.9	45.5	45.5	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 6000	42.0	43.1	45.7	45.7	46.0	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 5000	43.4	44.6	47.2	47.3	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 4500	46.1	47.3	50.0	50.1	50.5	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 4000	50.0	51.5	54.4	54.5	55.2	55.2	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 3500	54.4	56.0	59.2	59.4	60.0	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 3000	64.4	66.2	69.8	69.9	70.5	70.5	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 2500	72.8	74.6	79.2	79.4	80.2	80.2	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2000	78.4	80.4	85.9	86.1	87.1	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1800	78.8	80.9	86.6	86.8	87.7	87.7	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1500	83.0	85.2	91.2	91.6	92.6	92.6	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1200	85.1	87.2	93.9	94.3	95.5	95.5	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	85.8	88.0	94.8	95.5	97.0	97.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	86.0	88.2	95.2	96.0	97.5	97.5	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	86.3	88.5	95.5	96.5	98.0	98.0	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	86.3	88.5	95.6	96.6	98.3	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	86.3	88.5	95.6	96.6	98.3	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	86.5	88.6	95.9	96.9	98.7	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	86.5	88.6	95.9	96.9	98.7	98.7	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	86.5	88.6	95.9	96.9	98.7	98.7	99.0	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	86.5	88.6	95.9	96.9	98.7	98.7	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.5	88.6	95.9	96.9	98.7	98.7	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.5	88.6	95.9	96.9	98.7	98.7	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	26.9	27.2	27.7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
GE 20000	36.0	36.8	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 18000	36.1	36.9	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 16000	36.1	36.9	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 14000	36.2	37.0	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 12000	36.6	37.3	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 10000	38.6	39.6	41.0	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 9000	40.2	41.2	42.6	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 8000	42.5	43.5	45.1	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 7000	42.9	44.0	45.5	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 6000	44.0	45.1	46.6	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 5000	47.3	48.4	49.9	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 4500	51.0	52.3	53.9	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 4000	59.8	61.2	62.9	63.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 3500	65.5	67.5	69.2	69.5	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 3000	76.7	79.0	81.6	82.2	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2500	80.6	83.1	86.3	86.9	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	84.9	87.4	90.9	91.4	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	85.4	87.8	91.3	91.8	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	87.4	89.9	94.0	94.7	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1200	88.3	90.9	95.5	96.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	88.7	91.3	96.3	97.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	88.7	91.3	96.8	97.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	88.7	91.3	96.8	97.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	88.8	91.4	96.9	98.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	88.8	91.4	96.9	98.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	88.8	91.4	96.9	98.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	88.8	91.4	96.9	98.1	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	88.9	91.5	97.0	98.2	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.9	91.5	97.0	98.2	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.9	91.5	97.0	98.2	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.9	91.5	97.0	98.2	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.5	36.9	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 20000	45.1	45.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 18000	45.6	46.1	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 16000	45.6	46.1	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 14000	45.6	46.1	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 12000	46.5	47.0	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 10000	49.5	50.1	51.8	52.0	52.3	52.3	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6
GE 9000	52.0	52.7	54.4	54.6	54.8	54.8	54.9	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
GE 8000	56.6	57.4	59.2	59.5	59.7	59.7	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
GE 7000	57.7	58.6	60.6	60.9	61.3	61.5	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
GE 6000	58.3	59.1	61.2	61.4	61.8	62.0	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4
GE 5000	61.7	62.6	65.1	65.3	65.8	66.0	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
GE 4500	64.7	65.9	68.4	68.6	69.1	69.4	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	70.3	71.6	74.3	74.5	75.1	75.3	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
GE 3500	74.5	75.8	78.7	78.9	79.5	79.7	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	79.8	81.1	84.3	84.6	85.2	85.4	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	83.0	84.5	88.1	88.4	89.2	89.5	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	85.7	87.2	90.8	91.2	92.5	92.7	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	85.9	87.4	91.2	91.6	92.9	93.1	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 1500	87.0	88.7	93.0	93.7	95.2	95.4	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	87.2	88.9	93.8	94.5	96.1	96.5	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	87.5	89.2	94.1	94.8	96.8	97.1	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	87.5	89.2	94.4	95.5	97.4	97.7	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	87.6	89.4	94.8	95.9	97.8	98.2	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	87.7	89.5	94.9	96.0	98.0	98.3	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	87.7	89.5	94.9	96.1	98.1	98.4	99.0	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	87.7	89.5	94.9	96.1	98.1	98.4	99.0	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	87.7	89.5	94.9	96.1	98.1	98.4	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.7	89.5	94.9	96.1	98.1	98.4	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.7	89.5	94.9	96.1	98.1	98.4	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.7	89.5	94.9	96.1	98.1	98.4	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.7	89.5	94.9	96.1	98.1	98.4	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	46.0	46.9	47.5	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 20000	50.6	51.5	52.6	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 18000	50.9	51.7	52.8	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 16000	50.9	51.7	52.8	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	50.9	51.7	52.8	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 12000	51.5	52.4	53.4	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 10000	55.2	56.0	57.2	57.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 9000	56.7	57.5	58.9	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 8000	61.4	62.4	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 7000	62.0	63.0	64.8	65.6	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 6000	62.6	63.5	65.4	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 5000	67.0	68.1	70.3	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	69.4	70.5	73.1	74.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	73.4	74.7	77.4	78.5	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3500	76.5	77.8	80.5	81.6	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3000	79.9	81.4	84.4	85.5	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	81.8	83.3	86.9	88.1	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	83.0	84.5	88.3	89.7	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1800	83.7	85.2	89.1	90.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	85.5	87.1	91.3	92.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	85.9	87.5	91.9	93.7	95.9	95.9	96.1	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5
GE 1000	86.3	88.0	92.7	94.5	96.9	96.9	97.1	97.1	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5
GE 900	86.7	88.3	93.0	94.8	97.3	97.3	97.7	97.7	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2
GE 800	86.8	88.4	93.1	95.1	97.5	97.5	98.0	98.0	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4
GE 700	86.8	88.4	93.3	95.3	97.7	97.7	98.3	98.3	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7
GE 600	86.8	88.4	93.3	95.4	98.1	98.1	98.6	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2
GE 500	86.8	88.4	93.4	95.6	98.5	98.5	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 400	86.8	88.4	93.4	95.6	98.6	98.6	99.1	99.1	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 300	86.8	88.4	93.4	95.6	98.6	98.6	99.1	99.1	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 200	86.8	88.4	93.4	95.6	98.6	98.6	99.1	99.1	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	86.8	88.4	93.4	95.6	98.6	98.6	99.1	99.1	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	86.8	88.4	93.4	95.6	98.6	98.6	99.1	99.1	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1000

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.8	34.5	36.5	37.1	38.1	38.3	38.5	38.7	38.8	38.9	38.9	38.9	39.0	39.0	39.0	39.0
GE 20000	39.3	40.0	42.5	43.1	44.4	44.6	44.8	45.0	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4
GE 18000	39.5	40.3	42.7	43.4	44.6	44.9	45.1	45.2	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.7
GE 16000	39.6	40.3	42.8	43.4	44.7	44.9	45.1	45.3	45.4	45.5	45.6	45.6	45.6	45.6	45.7	45.7
GE 14000	39.6	40.3	42.8	43.5	44.7	44.9	45.2	45.3	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.7
GE 12000	40.1	40.8	43.4	44.1	45.4	45.6	45.8	46.0	46.2	46.3	46.4	46.4	46.4	46.4	46.5	46.5
GE 10000	42.8	43.5	46.7	47.4	48.8	49.1	49.4	49.6	49.7	49.9	50.0	50.0	50.0	50.0	50.1	50.1
GE 9000	44.0	44.8	48.0	48.8	50.3	50.6	50.9	51.1	51.3	51.4	51.5	51.5	51.5	51.5	51.6	51.7
GE 8000	47.2	48.1	52.0	53.0	54.6	54.9	55.2	55.5	55.6	55.7	55.8	55.8	55.9	55.9	56.0	56.0
GE 7000	47.8	48.8	52.7	53.7	55.4	55.7	56.0	56.3	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.9
GE 6000	48.3	49.2	53.3	54.2	55.9	56.3	56.6	56.9	57.0	57.2	57.3	57.3	57.3	57.4	57.4	57.5
GE 5000	50.8	51.8	56.1	57.1	59.0	59.4	59.7	60.1	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.7
GE 4500	52.9	54.0	58.4	59.5	61.6	61.9	62.3	62.7	62.9	63.0	63.1	63.1	63.2	63.2	63.3	63.3
GE 4000	56.3	57.6	62.2	63.4	65.6	66.0	66.5	66.9	67.1	67.2	67.3	67.4	67.4	67.4	67.5	67.5
GE 3500	59.5	60.9	65.7	66.8	69.3	69.7	70.2	70.6	70.8	71.0	71.1	71.1	71.2	71.2	71.3	71.3
GE 3000	64.5	66.0	71.2	72.5	75.1	75.5	76.1	76.5	76.7	76.9	77.0	77.0	77.1	77.1	77.2	77.2
GE 2500	67.7	69.2	74.9	76.3	79.1	79.6	80.2	80.7	80.9	81.1	81.2	81.2	81.3	81.3	81.4	81.5
GE 2000	70.9	72.4	78.5	80.0	83.0	83.5	84.2	84.7	85.0	85.2	85.3	85.3	85.4	85.4	85.5	85.6
GE 1800	71.4	73.0	79.2	80.7	83.7	84.2	84.9	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.2	86.3
GE 1500	74.0	75.7	82.5	84.2	87.4	88.0	88.7	89.3	89.5	89.8	89.9	89.9	90.0	90.0	90.1	90.1
GE 1200	75.4	77.1	84.4	86.2	89.8	90.5	91.3	92.0	92.2	92.5	92.6	92.6	92.7	92.7	92.8	92.9
GE 1000	76.3	78.0	85.6	87.6	91.4	92.2	93.0	93.8	94.1	94.4	94.5	94.6	94.6	94.6	94.7	94.8
GE 900	76.6	78.3	86.1	88.2	92.1	92.9	93.8	94.6	95.0	95.2	95.4	95.4	95.5	95.5	95.6	95.7
GE 800	76.8	78.5	86.6	88.8	92.9	93.7	94.6	95.5	95.8	96.1	96.2	96.3	96.4	96.4	96.5	96.6
GE 700	77.0	78.7	86.9	89.2	93.4	94.3	95.4	96.3	96.7	97.0	97.1	97.2	97.2	97.2	97.3	97.4
GE 600	77.0	78.7	87.0	89.3	93.6	94.5	95.6	96.6	97.0	97.3	97.4	97.5	97.5	97.6	97.6	97.7
GE 500	77.1	78.9	87.2	89.6	94.0	94.9	96.2	97.1	97.6	98.0	98.2	98.2	98.3	98.3	98.4	98.5
GE 400	77.2	78.9	87.3	89.7	94.2	95.1	96.4	97.4	97.9	98.3	98.5	98.5	98.6	98.6	98.7	98.9
GE 300	77.2	78.9	87.3	89.7	94.2	95.2	96.5	97.6	98.1	98.6	98.8	98.9	98.9	99.0	99.1	99.3
GE 200	77.2	78.9	87.3	89.7	94.2	95.2	96.5	97.6	98.2	98.8	99.1	99.1	99.2	99.3	99.4	99.7
GE 100	77.2	78.9	87.3	89.7	94.2	95.2	96.5	97.6	98.2	98.9	99.2	99.2	99.3	99.4	99.6	100.0
GE 000	77.2	78.9	87.3	89.7	94.2	95.2	96.5	97.6	98.2	98.9	99.2	99.2	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.2	38.9	40.7	41.7	43.0	43.3	43.8	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.6	44.7
GE 20000	42.7	43.4	46.1	47.3	49.0	49.4	49.9	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.7	50.8
GE 18000	42.8	43.6	46.2	47.4	49.1	49.6	50.0	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.8	50.9
GE 16000	42.8	43.6	46.2	47.4	49.1	49.6	50.0	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.8	50.9
GE 14000	42.8	43.6	46.2	47.4	49.1	49.6	50.0	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.8	50.9
GE 12000	43.6	44.3	47.0	48.2	49.9	50.3	50.8	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.6	51.7
GE 10000	46.8	47.6	50.6	51.8	53.8	54.2	54.7	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.6	55.7
GE 9000	48.9	49.8	52.9	54.2	56.3	56.8	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.1	58.2
GE 8000	52.6	53.4	56.6	58.1	60.2	60.7	61.2	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.2
GE 7000	53.8	54.7	57.8	59.4	61.6	62.0	62.8	63.3	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.9
GE 6000	54.1	55.0	58.1	59.8	61.9	62.3	63.1	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.2
GE 5000	57.9	58.8	62.3	64.1	66.8	67.2	68.0	68.6	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.1
GE 4500	60.8	61.8	65.9	67.7	70.7	71.2	72.1	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.3
GE 4000	66.7	67.8	72.4	74.4	77.7	78.2	79.1	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.4
GE 3500	68.1	69.2	73.9	76.1	79.4	80.0	80.9	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.1	82.2
GE 3000	70.2	71.4	76.7	79.1	82.4	83.0	84.1	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.6
GE 2500	70.7	71.9	77.3	79.9	83.2	83.8	84.9	85.6	86.0	86.1	86.1	86.1	86.1	86.1	86.2	86.3
GE 2000	71.3	72.7	78.4	81.1	85.1	85.7	86.8	87.4	87.9	88.0	88.0	88.0	88.0	88.0	88.1	88.2
GE 1800	71.6	72.9	78.7	81.3	85.6	86.1	87.2	87.9	88.4	88.6	88.6	88.6	88.6	88.6	88.7	88.8
GE 1500	73.3	74.7	80.9	83.7	88.2	88.9	90.0	90.7	91.2	91.3	91.3	91.3	91.3	91.3	91.4	91.6
GE 1200	74.4	75.8	82.0	84.8	89.6	90.2	91.3	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.8	92.9
GE 1000	75.7	77.0	83.4	86.2	91.1	92.0	93.1	93.8	94.3	94.6	94.6	94.6	94.6	94.6	94.7	94.8
GE 900	75.7	77.0	83.4	86.3	91.3	92.2	93.3	94.0	94.6	94.8	94.8	94.8	94.8	94.8	94.9	95.0
GE 800	75.9	77.3	83.8	86.8	92.1	93.0	94.1	94.8	95.3	95.6	95.6	95.6	95.6	95.6	95.7	95.8
GE 700	76.2	77.7	84.1	87.1	92.6	93.4	94.6	95.2	95.8	96.0	96.0	96.0	96.0	96.0	96.1	96.2
GE 600	76.2	77.7	84.3	87.4	92.9	93.8	94.9	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.4	96.6
GE 500	76.6	78.0	85.1	88.2	94.1	95.1	96.3	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.9	98.0
GE 400	76.6	78.0	85.1	88.2	94.1	95.4	96.7	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.4	98.6
GE 300	76.6	78.0	85.2	88.4	94.3	95.7	96.9	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.8
GE 200	76.7	78.1	85.4	88.8	94.7	96.0	97.2	98.1	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.7
GE 100	76.7	78.1	85.4	88.8	94.7	96.0	97.2	98.1	98.7	98.9	98.9	98.9	98.9	98.9	99.4	99.9
GE 000	76.7	78.1	85.4	88.8	94.7	96.0	97.2	98.1	98.7	98.9	98.9	98.9	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.0	25.6	29.1	30.3	33.8	34.7	35.9	36.3	36.7	36.9	36.9	37.0	37.1	37.1	37.1	37.7
GE 20000	29.3	30.0	33.9	35.1	39.6	40.6	42.1	42.9	43.2	43.4	43.4	43.6	43.7	43.8	43.8	44.3
GE 18000	29.3	30.0	33.9	35.1	39.6	40.6	42.1	42.9	43.2	43.4	43.4	43.6	43.7	43.8	43.8	44.3
GE 16000	29.3	30.0	33.9	35.1	39.6	40.6	42.1	42.9	43.2	43.4	43.4	43.6	43.7	43.8	43.8	44.3
GE 14000	29.4	30.1	34.0	35.2	39.7	40.7	42.2	43.0	43.3	43.6	43.6	43.7	43.8	43.9	43.9	44.4
GE 12000	30.0	30.7	34.6	35.8	40.2	41.2	42.8	43.6	43.9	44.1	44.1	44.2	44.3	44.4	44.4	45.0
GE 10000	31.8	32.4	36.7	38.0	43.0	44.1	46.2	47.1	47.4	47.7	47.7	47.8	47.9	48.0	48.0	49.0
GE 9000	32.3	33.0	37.3	38.8	43.9	45.0	47.1	48.0	48.4	48.7	48.7	48.8	48.9	49.0	49.0	50.0
GE 8000	35.1	35.8	40.4	42.2	47.4	48.7	51.3	52.2	52.7	52.9	53.0	53.1	53.2	53.2	53.2	54.2
GE 7000	36.2	36.9	41.6	43.4	48.7	49.9	52.6	53.4	53.9	54.1	54.1	54.2	54.3	54.4	54.4	55.4
GE 6000	36.4	37.1	41.8	43.7	49.0	50.3	53.0	53.9	54.3	54.6	54.6	54.7	54.8	54.9	54.9	55.9
GE 5000	38.4	39.1	43.9	46.0	51.9	53.3	56.2	57.1	57.6	57.8	57.8	57.9	58.0	58.1	58.1	59.1
GE 4500	40.2	40.9	46.0	48.1	54.6	56.2	59.3	60.2	60.7	61.1	61.1	61.2	61.3	61.4	61.4	62.4
GE 4000	45.4	46.2	52.1	54.3	61.8	63.4	66.8	67.7	68.1	68.7	68.8	68.9	69.0	69.1	69.1	70.1
GE 3500	46.6	47.3	53.8	56.3	63.9	65.6	68.9	70.0	70.4	71.0	71.1	71.2	71.3	71.4	71.4	72.6
GE 3000	49.4	50.3	57.6	60.1	68.2	69.9	73.3	74.4	75.1	75.7	75.9	76.0	76.1	76.2	76.2	77.4
GE 2500	50.8	51.7	59.2	61.8	70.2	71.9	75.3	76.4	77.1	77.7	77.9	78.0	78.1	78.2	78.3	79.6
GE 2000	51.1	52.0	60.1	62.7	71.3	73.0	76.4	77.6	78.2	78.8	79.0	79.1	79.2	79.3	79.4	80.7
GE 1800	51.4	52.3	60.6	63.1	71.9	73.6	77.0	78.1	78.8	79.3	79.6	79.7	79.8	79.9	80.0	81.2
GE 1500	53.8	54.7	63.0	65.7	75.2	77.0	80.4	81.7	82.4	83.1	83.3	83.4	83.6	83.7	83.8	85.0
GE 1200	55.7	56.6	65.6	68.2	77.9	79.8	83.3	84.6	85.3	86.0	86.2	86.3	86.4	86.6	86.7	87.9
GE 1000	56.7	57.6	66.8	69.6	79.4	81.6	85.2	86.6	87.3	88.0	88.2	88.3	88.4	88.6	88.7	89.9
GE 900	56.9	57.8	67.1	70.0	79.9	82.0	85.7	87.0	87.8	88.4	88.7	88.8	88.9	89.0	89.1	90.3
GE 800	57.3	58.2	67.8	70.8	80.8	82.9	86.7	88.0	88.8	89.4	89.7	89.8	89.9	90.0	90.1	91.3
GE 700	57.6	58.4	68.0	71.2	82.1	84.3	88.1	89.6	90.4	91.1	91.3	91.4	91.6	91.7	91.8	93.0
GE 600	57.6	58.4	68.0	71.3	82.6	84.9	88.8	90.2	91.1	91.9	92.1	92.2	92.3	92.4	92.6	93.8
GE 500	57.9	58.9	68.6	72.0	83.3	85.9	90.0	91.4	92.3	93.1	93.3	93.4	93.6	93.7	93.8	95.0
GE 400	57.9	58.9	69.0	72.6	84.0	86.6	90.7	92.7	93.6	94.3	94.7	94.8	95.0	95.2	95.3	96.6
GE 300	57.9	58.9	69.0	72.6	84.0	86.7	90.8	93.1	94.3	95.1	95.4	95.6	95.9	96.1	96.2	97.6
GE 200	57.9	58.9	69.0	72.6	84.2	86.9	91.1	93.4	94.8	95.6	96.0	96.1	96.4	96.7	96.9	98.4
GE 100	57.9	58.9	69.0	72.6	84.2	86.9	91.1	93.7	95.0	95.8	96.3	96.4	96.8	97.2	97.7	99.9
GE 000	57.9	58.9	69.0	72.6	84.2	86.9	91.1	93.7	95.0	95.8	96.3	96.4	96.8	97.2	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.8	20.1	24.9	26.4	28.1	29.3	30.8	31.7	32.2	32.6	32.6	32.6	32.6	32.6	32.7	32.8
GE 20000	22.7	23.0	28.2	30.1	32.0	33.4	35.2	36.3	37.0	37.3	37.3	37.3	37.3	37.3	37.4	37.6
GE 18000	22.7	23.0	28.2	30.1	32.0	33.4	35.2	36.3	37.0	37.3	37.3	37.3	37.3	37.3	37.4	37.6
GE 16000	23.0	23.3	28.6	30.4	32.3	33.8	35.6	36.7	37.3	37.7	37.7	37.7	37.7	37.7	37.8	37.9
GE 14000	23.2	23.6	28.8	30.7	32.6	34.0	35.8	36.9	37.6	37.9	37.9	37.9	37.9	37.9	38.0	38.1
GE 12000	23.7	24.0	29.3	31.2	33.1	34.6	36.3	37.4	38.1	38.4	38.4	38.4	38.4	38.4	38.6	38.7
GE 10000	24.9	25.4	31.6	33.6	36.2	37.9	40.1	41.4	42.3	42.8	42.8	42.8	42.9	42.9	43.0	43.2
GE 9000	25.8	26.3	32.7	34.9	37.7	39.4	41.7	43.0	43.9	44.3	44.3	44.3	44.4	44.4	44.6	44.8
GE 8000	28.4	29.1	35.7	37.9	41.1	43.1	45.3	46.9	47.9	48.4	48.4	48.6	48.7	48.7	48.8	49.2
GE 7000	28.8	29.4	36.0	38.2	41.6	43.6	45.8	47.3	48.3	48.9	48.9	49.0	49.1	49.2	49.3	49.8
GE 6000	29.2	29.9	36.4	38.7	42.0	44.1	46.4	48.1	49.1	49.7	49.7	49.8	49.9	50.0	50.1	50.6
GE 5000	31.2	32.0	38.7	40.9	44.3	46.8	49.6	51.3	52.6	53.2	53.2	53.3	53.4	53.6	53.7	54.1
GE 4500	33.0	33.8	40.8	43.1	46.6	49.0	51.8	53.6	54.8	55.4	55.4	55.6	55.7	55.8	55.9	56.3
GE 4000	34.9	35.7	43.3	46.0	50.1	52.7	55.8	57.8	59.0	59.7	59.7	59.8	59.9	60.0	60.1	60.7
GE 3500	36.9	37.7	45.3	48.0	52.4	55.2	58.3	60.4	61.7	62.3	62.3	62.4	62.6	62.7	62.8	63.3
GE 3000	38.1	39.0	47.3	50.1	54.8	57.8	61.1	63.4	64.9	65.7	65.7	65.8	65.9	66.0	66.1	66.7
GE 2500	39.2	40.1	49.0	51.8	56.7	60.1	63.6	66.1	67.6	68.4	68.4	68.6	68.7	68.8	68.9	69.4
GE 2000	41.2	42.1	51.2	54.2	59.2	62.7	66.1	69.0	70.4	71.3	71.3	71.4	71.6	71.7	71.8	72.3
GE 1800	41.8	42.7	51.8	54.8	59.9	63.3	67.0	69.9	71.3	72.2	72.2	72.3	72.4	72.6	72.7	73.2
GE 1500	44.7	45.6	55.4	58.9	64.3	68.0	71.7	74.6	76.0	76.9	76.9	77.0	77.1	77.2	77.3	77.9
GE 1200	47.0	47.9	58.1	61.9	67.9	71.7	75.6	78.6	80.0	80.9	80.9	81.0	81.1	81.2	81.3	81.9
GE 1000	48.4	49.3	60.4	64.2	70.7	74.7	78.9	82.2	83.7	84.6	84.6	84.7	84.8	84.9	85.0	85.6
GE 900	48.6	49.4	60.6	64.4	71.0	75.0	79.2	82.7	84.1	85.0	85.0	85.1	85.2	85.3	85.4	86.0
GE 800	49.2	50.1	61.3	65.6	72.3	76.6	81.1	84.6	86.1	87.0	87.0	87.1	87.2	87.3	87.4	88.0
GE 700	49.6	50.4	62.1	66.7	74.0	78.4	83.0	86.7	88.3	89.3	89.3	89.4	89.6	89.7	89.8	90.3
GE 600	49.7	50.6	62.3	67.0	74.6	79.0	83.6	87.3	89.0	90.0	90.0	90.1	90.2	90.3	90.4	91.0
GE 500	49.9	50.8	62.8	67.7	75.8	80.3	85.4	89.4	91.3	92.6	92.9	93.0	93.1	93.2	93.3	93.9
GE 400	50.0	50.9	62.9	67.8	76.3	81.2	86.7	91.2	93.1	94.7	95.1	95.3	95.4	95.6	95.9	96.6
GE 300	50.0	50.9	62.9	67.8	76.4	81.6	87.0	92.2	94.2	96.2	96.7	96.9	97.0	97.1	97.6	98.2
GE 200	50.0	50.9	62.9	67.8	76.4	81.6	87.1	92.3	94.4	96.6	97.1	97.3	97.6	97.9	98.3	99.2
GE 100	50.0	50.9	62.9	67.8	76.7	81.8	87.3	92.6	94.7	96.8	97.4	97.7	97.9	98.3	98.9	100.0
GE 000	50.0	50.9	62.9	67.8	76.7	81.8	87.3	92.6	94.7	96.8	97.4	97.7	97.9	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.8	29.0	31.3	31.8	33.3	33.4	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
GE 20000	34.4	34.7	37.6	38.0	39.7	39.9	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 18000	34.4	34.7	37.6	38.0	39.7	39.9	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 16000	34.7	34.9	37.8	38.2	39.9	40.1	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 14000	34.8	35.0	37.9	38.3	40.1	40.3	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 12000	35.1	35.3	38.2	38.7	40.4	40.7	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 10000	36.8	37.0	40.9	41.3	43.4	43.8	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 9000	37.2	37.4	41.3	41.8	43.9	44.2	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 8000	39.1	39.3	43.2	43.7	45.9	46.2	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 7000	39.2	39.4	43.3	43.8	46.1	46.4	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 6000	39.4	39.7	43.7	44.1	46.6	46.9	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 5000	41.2	41.4	45.9	46.4	48.9	49.2	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 4500	42.3	42.7	47.4	48.2	50.7	51.2	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 4000	46.2	46.6	51.7	52.7	55.3	55.9	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 3500	49.1	49.4	55.0	56.0	58.8	59.3	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 3000	53.2	53.6	59.1	60.4	63.4	64.1	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 2500	58.8	59.1	65.0	66.4	69.8	70.7	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 2000	63.3	63.8	70.1	71.8	75.9	76.9	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 1800	64.2	64.7	71.2	72.9	77.2	78.2	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 1500	67.4	68.0	75.1	77.2	82.1	83.2	84.0	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1200	70.0	70.7	78.6	80.8	86.1	87.3	88.2	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1000	71.1	71.8	80.2	82.7	88.3	89.6	90.4	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 900	71.3	72.0	80.7	83.1	88.9	90.2	91.3	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 800	72.1	72.8	81.7	84.4	90.3	91.8	93.2	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 700	72.4	73.1	82.2	85.3	91.4	93.0	94.7	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	72.7	73.3	82.8	86.1	92.3	94.0	95.7	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 500	72.7	73.3	83.0	86.3	92.7	94.4	96.1	97.0	97.1	97.2	97.4	97.6	97.6	97.6	97.6	97.6
GE 400	72.7	73.3	83.1	86.4	92.9	94.7	96.3	97.4	97.7	98.0	98.3	98.4	98.4	98.4	98.4	98.6
GE 300	72.7	73.3	83.1	86.4	93.0	94.8	96.4	97.6	97.9	98.4	98.9	99.0	99.0	99.0	99.0	99.1
GE 200	72.7	73.3	83.1	86.4	93.0	94.9	96.6	97.7	98.0	99.0	99.4	99.6	99.6	99.7	99.7	99.8
GE 100	72.7	73.3	83.1	86.4	93.0	94.9	96.6	97.7	98.0	99.1	99.7	99.8	99.8	99.9	99.9	100.0
GE 000	72.7	73.3	83.1	86.4	93.0	94.9	96.6	97.7	98.0	99.1	99.7	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.9	26.3	27.7	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
GE 20000	33.7	34.1	35.8	36.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 18000	33.8	34.2	35.9	36.3	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 16000	33.9	34.3	36.0	36.4	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 14000	33.9	34.3	36.0	36.4	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 12000	34.0	34.4	36.2	36.7	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 10000	36.8	37.3	39.3	39.8	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 9000	37.9	38.4	40.6	41.0	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 8000	40.3	41.1	43.7	44.2	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 7000	41.0	41.8	44.3	44.9	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 6000	41.1	41.9	44.6	45.1	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 5000	43.4	44.2	47.4	48.1	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 4500	46.8	47.6	50.8	51.4	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 4000	53.2	54.0	58.0	58.8	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 3500	61.2	62.1	66.8	67.7	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 3000	69.4	70.6	75.8	77.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 2500	74.2	75.3	80.9	82.4	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2000	78.1	79.3	85.7	87.6	89.2	89.3	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1800	78.9	80.1	86.4	88.3	90.0	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1500	81.7	82.9	89.7	91.6	93.2	93.4	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1200	83.1	84.4	91.6	93.7	95.6	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	83.8	85.1	92.6	95.0	97.0	97.2	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	83.9	85.2	92.8	95.3	97.3	97.6	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	84.0	85.3	93.1	95.7	97.7	97.9	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	84.2	85.6	93.3	95.9	98.0	98.2	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	84.2	85.6	93.3	95.9	98.1	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	84.2	85.6	93.3	95.9	98.2	98.6	99.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	84.2	85.6	93.3	95.9	98.4	98.8	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	84.2	85.6	93.3	95.9	98.6	98.9	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.2	85.6	93.3	95.9	98.6	98.9	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.2	85.6	93.3	95.9	98.6	98.9	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.2	85.6	93.3	95.9	98.6	98.9	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.4	27.9	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 20000	33.8	34.4	36.1	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 18000	33.9	34.6	36.2	36.4	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 16000	33.9	34.6	36.2	36.4	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 14000	34.2	34.9	36.6	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 12000	34.6	35.2	36.9	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 10000	37.1	37.8	39.8	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 9000	37.8	38.6	40.8	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 8000	41.7	42.6	45.4	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 7000	42.2	43.1	46.0	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 6000	42.8	43.7	46.7	46.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 5000	46.9	47.8	51.4	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 4500	51.1	52.3	56.1	56.3	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 4000	60.8	62.3	66.8	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 3500	68.3	70.0	74.9	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000	75.4	77.1	83.1	83.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 2500	78.9	80.6	86.6	87.3	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 2000	82.6	84.3	90.9	91.7	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	83.0	84.8	91.3	92.1	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1500	84.4	86.3	93.0	93.8	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	85.3	87.2	94.2	95.3	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	85.9	87.8	95.2	96.7	98.4	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	86.0	87.9	95.3	96.8	98.6	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	86.1	88.0	95.6	97.0	98.8	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	86.1	88.0	95.6	97.0	98.8	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	86.1	88.0	95.6	97.0	98.8	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	86.1	88.0	95.8	97.3	99.1	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	86.1	88.0	95.8	97.3	99.1	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.1	88.0	95.8	97.3	99.1	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.1	88.0	95.8	97.3	99.1	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.1	88.0	95.8	97.3	99.1	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.1	88.0	95.8	97.3	99.1	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.0	31.7	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 20000	39.1	39.9	42.1	42.3	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 18000	39.6	40.3	42.6	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 16000	39.6	40.3	42.6	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 14000	39.7	40.4	42.9	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 12000	39.9	40.7	43.1	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 10000	43.7	44.4	47.1	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 9000	46.1	46.9	49.6	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 8000	51.2	52.1	55.2	55.8	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 7000	52.6	53.6	56.7	57.2	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 6000	53.7	54.8	57.9	58.6	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 5000	58.8	60.0	64.4	65.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	62.9	64.2	68.9	69.6	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4000	70.1	71.9	77.2	77.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 3500	73.6	75.3	81.1	81.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3000	78.0	79.9	86.7	87.4	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2500	79.7	81.7	88.4	89.3	90.9	90.9	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2000	81.0	83.0	90.1	91.1	92.8	92.8	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	81.8	83.8	90.9	92.0	93.9	93.9	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	83.3	85.3	92.8	93.9	96.0	96.0	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1200	83.6	85.6	93.4	94.7	97.1	97.3	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	84.1	86.1	94.3	95.7	98.2	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	84.2	86.2	94.4	95.8	98.3	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	84.2	86.2	94.7	96.0	98.6	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	84.3	86.3	95.0	96.3	98.9	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	84.3	86.3	95.0	96.3	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	84.3	86.3	95.0	96.3	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.3	86.3	95.0	96.3	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.3	86.3	95.0	96.3	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.3	86.3	95.0	96.3	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.3	86.3	95.0	96.3	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.3	86.3	95.0	96.3	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.9	37.3	39.2	39.6	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 20000	43.4	43.9	46.2	46.7	48.3	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 18000	43.7	44.1	46.4	46.9	48.6	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 16000	43.7	44.1	46.4	46.9	48.6	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 14000	43.7	44.1	46.4	46.9	48.6	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 12000	44.3	44.8	47.1	47.6	49.2	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 10000	47.8	48.3	50.9	51.4	53.2	53.3	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 9000	49.9	50.4	53.2	53.9	55.8	55.9	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 8000	54.7	55.2	59.0	59.9	61.9	62.0	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000	55.7	56.3	60.1	61.0	63.0	63.1	63.7	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 6000	56.0	56.7	60.4	61.3	63.4	63.6	64.1	64.2	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 5000	60.7	61.3	65.7	66.7	69.2	69.3	69.9	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4500	63.1	64.0	68.6	69.7	72.3	72.4	73.0	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	69.3	70.3	75.4	76.6	79.3	79.6	80.2	80.3	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3500	71.7	72.8	78.1	79.3	82.1	82.3	83.0	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3000	75.6	76.7	82.3	83.9	87.0	87.2	88.1	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2500	77.1	78.2	84.3	85.9	89.2	89.6	90.4	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2000	77.9	79.0	85.9	88.0	91.6	92.0	92.9	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	78.0	79.1	86.1	88.2	91.8	92.2	93.1	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	79.8	80.9	88.4	90.6	94.3	94.9	95.9	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	80.0	81.1	89.4	91.6	95.3	95.9	96.9	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	80.4	81.6	89.9	92.0	95.8	96.4	97.4	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	80.4	81.6	89.9	92.0	95.8	96.4	97.4	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	80.8	81.9	90.2	92.3	96.1	96.8	97.8	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	81.1	82.2	90.7	92.9	96.7	97.3	98.3	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	81.1	82.2	90.8	93.0	96.8	97.4	98.4	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	81.1	82.2	90.9	93.2	97.0	97.8	98.8	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	81.2	82.3	91.0	93.3	97.2	98.1	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.2	82.3	91.0	93.3	97.2	98.1	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.2	82.3	91.0	93.3	97.2	98.1	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.2	82.3	91.0	93.3	97.2	98.1	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.2	82.3	91.0	93.3	97.2	98.1	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CRIL	29.1	29.6	31.9	32.6	33.8	34.1	34.5	34.8	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.1
GE 20000	34.9	35.4	38.3	39.0	40.6	41.0	41.6	41.9	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.3
GE 18000	35.0	35.6	38.4	39.1	40.8	41.2	41.7	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.4
GE 16000	35.1	35.6	38.5	39.2	40.8	41.2	41.8	42.1	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.5
GE 14000	35.2	35.8	38.6	39.4	41.0	41.4	42.0	42.3	42.4	42.5	42.5	42.5	42.6	42.6	42.6	42.7
GE 12000	35.6	36.2	39.1	39.8	41.5	41.9	42.4	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.1	43.2
GE 10000	38.2	38.8	42.1	42.9	44.9	45.3	46.0	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.8	46.9
GE 9000	39.5	40.1	43.5	44.5	46.5	46.9	47.6	48.0	48.2	48.3	48.3	48.3	48.3	48.4	48.4	48.6
GE 8000	42.9	43.6	47.4	48.4	50.6	51.1	51.9	52.3	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.9
GE 7000	43.7	44.4	48.2	49.3	51.4	51.9	52.8	53.2	53.4	53.6	53.6	53.6	53.6	53.7	53.7	53.9
GE 6000	44.1	44.8	48.7	49.8	52.0	52.5	53.4	53.8	54.0	54.2	54.2	54.2	54.2	54.3	54.3	54.5
GE 5000	47.3	48.1	52.5	53.6	56.1	56.7	57.6	58.0	58.3	58.5	58.5	58.5	58.5	58.5	58.6	58.8
GE 4500	50.0	50.9	55.6	56.8	59.4	60.0	61.0	61.5	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.2
GE 4000	55.8	56.8	62.1	63.5	66.4	67.1	68.1	68.6	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.4
GE 3500	59.4	60.5	66.1	67.6	70.5	71.3	72.3	72.9	73.1	73.3	73.4	73.4	73.4	73.4	73.5	73.7
GE 3000	63.7	64.8	71.1	72.8	76.0	76.8	78.0	78.5	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.5
GE 2500	66.2	67.3	73.8	75.6	79.0	79.9	81.2	81.8	82.1	82.3	82.4	82.4	82.4	82.5	82.5	82.7
GE 2000	68.3	69.5	76.6	78.5	82.3	83.2	84.4	85.1	85.4	85.7	85.7	85.7	85.8	85.8	85.8	86.1
GE 1800	68.8	70.0	77.1	79.1	83.0	83.9	85.2	85.8	86.2	86.5	86.5	86.5	86.5	86.6	86.6	86.8
GE 1500	71.1	72.3	79.8	81.9	86.1	87.1	88.4	89.2	89.6	89.8	89.9	89.9	89.9	90.0	90.0	90.2
GE 1200	72.4	73.7	81.6	83.9	88.3	89.4	90.8	91.5	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.6
GE 1000	73.3	74.5	82.9	85.3	89.9	91.0	92.5	93.3	93.7	94.0	94.0	94.1	94.1	94.1	94.2	94.4
GE 900	73.4	74.6	83.0	85.5	90.1	91.3	92.8	93.7	94.1	94.3	94.4	94.4	94.4	94.5	94.5	94.7
GE 800	73.7	75.0	83.5	86.1	90.8	92.1	93.7	94.6	95.0	95.3	95.3	95.3	95.3	95.4	95.4	95.7
GE 700	73.9	75.2	83.9	86.6	91.6	92.8	94.5	95.4	95.9	96.2	96.2	96.3	96.3	96.3	96.4	96.6
GE 600	74.0	75.3	84.0	86.8	91.9	93.2	94.9	95.8	96.3	96.6	96.7	96.7	96.7	96.7	96.8	97.0
GE 500	74.1	75.4	84.3	87.1	92.4	93.8	95.6	96.6	97.1	97.5	97.6	97.6	97.6	97.7	97.7	97.9
GE 400	74.1	75.4	84.4	87.2	92.6	94.1	96.0	97.2	97.7	98.2	98.3	98.3	98.4	98.4	98.5	98.8
GE 300	74.1	75.4	84.4	87.3	92.7	94.3	96.1	97.5	98.0	98.5	98.7	98.8	98.8	98.8	98.9	99.2
GE 200	74.1	75.4	84.4	87.3	92.8	94.3	96.2	97.6	98.2	98.8	98.9	99.0	99.1	99.2	99.3	99.6
GE 100	74.1	75.4	84.4	87.3	92.8	94.4	96.2	97.6	98.2	98.8	99.0	99.1	99.2	99.3	99.5	100.0
GE 000	74.1	75.4	84.4	87.3	92.8	94.4	96.2	97.6	98.2	98.8	99.0	99.1	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	55.4	56.5	58.4	58.6	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8	59.8	59.8	60.0
GE 20000	59.6	60.6	63.1	63.3	64.3	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.5
GE 18000	59.6	60.6	63.1	63.3	64.3	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.5
GE 16000	59.6	60.6	63.1	63.3	64.3	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.5
GE 14000	59.7	60.8	63.2	63.4	64.4	64.8	65.1	65.1	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.6
GE 12000	59.9	61.0	63.4	63.7	64.6	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.6	65.6	65.6	65.8
GE 10000	63.0	64.2	66.9	67.1	68.1	68.5	68.7	68.8	68.8	68.9	68.9	68.9	69.1	69.1	69.1	69.4
GE 9000	63.9	65.1	67.8	68.1	69.0	69.5	69.7	69.8	69.8	69.9	69.9	69.9	70.1	70.1	70.1	70.3
GE 8000	68.3	69.5	72.5	72.7	73.8	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.8	74.8	74.8	75.1
GE 7000	69.6	70.8	73.9	74.1	75.2	75.6	75.8	75.9	75.9	76.0	76.0	76.0	76.2	76.2	76.2	76.5
GE 6000	70.4	71.6	74.7	74.9	76.1	76.6	76.8	76.9	76.9	77.0	77.0	77.0	77.2	77.2	77.2	77.4
GE 5000	73.5	74.7	78.3	78.6	79.8	80.3	80.5	80.6	80.6	80.8	80.9	80.9	81.1	81.1	81.1	81.3
GE 4500	75.4	76.6	80.1	80.5	81.9	82.9	83.1	83.2	83.2	83.3	83.4	83.4	83.7	83.7	83.7	83.9
GE 4000	78.5	79.7	83.7	84.5	86.2	87.2	87.4	87.5	87.5	87.6	87.7	87.7	88.0	88.0	88.0	88.2
GE 3500	80.8	81.9	85.9	86.9	88.6	89.6	89.8	89.9	89.9	90.0	90.1	90.1	90.3	90.3	90.3	90.5
GE 3000	82.4	83.5	87.5	88.5	90.2	91.2	91.4	91.5	91.5	91.7	91.8	91.8	92.0	92.0	92.0	92.3
GE 2500	82.9	84.1	88.1	89.0	90.9	91.8	92.0	92.2	92.2	92.4	92.5	92.5	92.7	92.7	92.7	92.9
GE 2000	83.8	84.9	88.9	89.9	91.7	92.7	92.9	93.0	93.0	93.3	93.4	93.4	93.7	93.7	93.7	93.9
GE 1800	84.0	85.2	89.2	90.2	92.0	93.0	93.2	93.3	93.3	93.7	93.8	93.8	94.0	94.0	94.0	94.2
GE 1500	85.1	86.2	90.3	91.3	93.1	94.1	94.3	94.4	94.4	94.8	94.9	94.9	95.2	95.2	95.2	95.4
GE 1200	85.7	86.9	91.1	92.3	94.2	95.2	95.4	95.5	95.5	95.9	96.0	96.0	96.2	96.2	96.2	96.5
GE 1000	86.2	87.4	91.6	92.8	94.7	95.7	95.9	96.0	96.0	96.5	96.6	96.6	96.8	96.8	96.8	97.0
GE 900	86.7	87.8	92.0	93.2	95.2	96.1	96.3	96.5	96.5	96.9	97.0	97.0	97.2	97.2	97.2	97.4
GE 800	86.9	88.1	92.5	93.7	95.6	96.6	96.8	96.9	96.9	97.3	97.4	97.4	97.6	97.6	97.6	97.8
GE 700	87.3	88.5	92.9	94.1	96.1	97.1	97.3	97.4	97.4	97.8	98.0	98.0	98.2	98.2	98.2	98.4
GE 600	87.7	88.9	93.3	94.6	96.7	97.6	97.8	98.0	98.0	98.4	98.5	98.5	98.7	98.7	98.7	98.9
GE 500	87.8	89.0	93.5	94.9	97.0	98.0	98.2	98.3	98.3	98.7	98.8	98.8	99.0	99.0	99.0	99.2
GE 400	88.0	89.1	93.7	95.1	97.1	98.1	98.3	98.4	98.4	98.8	98.9	98.9	99.1	99.1	99.1	99.4
GE 300	88.0	89.1	93.8	95.2	97.2	98.2	98.4	98.5	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.5
GE 200	88.0	89.1	93.8	95.2	97.2	98.2	98.4	98.5	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.5
GE 100	88.0	89.1	93.8	95.2	97.4	98.4	98.6	98.8	98.8	99.2	99.4	99.4	99.6	99.6	99.6	100.0
GE 000	88.0	89.1	93.8	95.2	97.4	98.4	98.6	98.8	98.8	99.2	99.4	99.4	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.5	37.7	43.2	44.8	48.3	48.7	50.1	50.9	51.1	51.1	51.2	51.2	51.4	51.6	51.8	52.2
GE 20000	40.6	40.9	46.8	48.4	52.0	52.5	54.3	55.1	55.4	55.5	55.7	55.7	55.9	56.1	56.3	56.7
GE 18000	40.6	40.9	46.8	48.4	52.0	52.5	54.3	55.1	55.4	55.5	55.7	55.7	55.9	56.1	56.3	56.7
GE 16000	40.6	40.9	46.8	48.4	52.0	52.5	54.3	55.1	55.4	55.5	55.7	55.7	55.9	56.1	56.3	56.7
GE 14000	40.6	40.9	46.8	48.4	52.0	52.5	54.3	55.1	55.4	55.5	55.7	55.7	55.9	56.1	56.3	56.7
GE 12000	41.2	41.4	47.3	48.9	52.6	53.1	54.9	55.7	56.1	56.2	56.5	56.5	56.7	56.9	57.1	57.4
GE 10000	44.4	44.6	51.1	52.8	56.6	57.1	59.4	60.2	60.6	60.8	61.0	61.1	61.3	61.5	61.7	62.0
GE 9000	45.7	45.9	52.6	54.3	58.1	58.6	60.9	61.7	62.2	62.3	62.5	62.6	62.8	63.0	63.2	63.5
GE 8000	48.4	48.6	55.9	57.8	62.3	62.8	65.2	66.0	66.5	66.6	66.8	66.9	67.1	67.3	67.5	67.8
GE 7000	49.5	49.7	57.4	59.5	63.9	64.4	66.8	67.6	68.1	68.2	68.4	68.5	68.7	68.9	69.1	69.5
GE 6000	50.8	51.0	58.7	60.8	65.2	65.7	68.1	68.9	69.4	69.5	69.7	69.8	70.0	70.2	70.4	70.8
GE 5000	53.3	53.5	61.4	63.5	68.2	68.7	71.2	72.2	72.6	72.7	72.9	73.0	73.2	73.4	73.7	74.0
GE 4500	55.1	55.3	63.5	65.8	70.5	71.3	73.8	74.7	75.2	75.3	75.5	75.6	75.8	76.0	76.2	76.6
GE 4000	58.0	58.2	67.1	69.5	75.1	75.9	78.4	79.4	79.8	79.9	80.1	80.2	80.4	80.6	81.0	81.3
GE 3500	59.4	59.6	68.9	71.4	77.0	77.8	80.4	81.5	81.9	82.0	82.3	82.4	82.6	82.8	83.1	83.4
GE 3000	60.8	61.0	70.8	73.4	79.2	80.1	82.7	83.8	84.2	84.3	84.5	84.6	84.8	85.1	85.4	85.7
GE 2500	61.4	61.6	71.5	74.3	80.1	81.0	83.5	84.6	85.1	85.2	85.4	85.5	85.7	85.9	86.2	86.6
GE 2000	62.3	62.5	72.6	75.4	81.7	82.6	85.3	86.5	87.0	87.4	87.6	87.7	88.0	88.2	88.5	88.8
GE 1800	63.2	63.4	73.5	76.3	82.8	83.7	86.3	87.5	88.1	88.5	88.7	88.8	89.0	89.2	89.6	89.9
GE 1500	64.8	65.1	75.9	78.8	85.6	86.6	89.4	90.6	91.2	91.6	91.8	91.9	92.2	92.4	92.7	93.0
GE 1200	65.5	65.7	76.8	79.8	86.7	87.6	90.4	91.7	92.3	92.7	92.9	93.0	93.2	93.4	93.8	94.1
GE 1000	66.2	66.5	77.7	80.8	88.1	89.0	91.8	93.1	93.7	94.1	94.4	94.5	94.7	94.9	95.3	95.6
GE 900	66.5	66.7	78.0	81.0	88.3	89.2	92.0	93.4	94.0	94.4	94.7	94.8	95.1	95.3	95.6	95.9
GE 800	66.7	66.9	78.3	81.3	88.6	89.6	92.4	93.8	94.3	94.7	95.1	95.2	95.4	95.6	95.9	96.2
GE 700	67.0	67.2	79.0	82.0	89.5	90.4	93.2	94.6	95.2	95.7	96.0	96.1	96.3	96.6	96.9	97.2
GE 600	67.3	67.5	79.4	82.4	89.8	90.8	93.5	94.9	95.5	96.0	96.3	96.5	96.7	96.9	97.2	97.5
GE 500	67.3	67.5	79.7	82.7	90.2	91.2	94.1	95.6	96.2	96.8	97.1	97.2	97.4	97.6	98.0	98.3
GE 400	67.4	67.6	80.0	83.0	90.5	91.5	94.6	96.1	96.8	97.3	97.6	97.7	98.0	98.2	98.5	98.8
GE 300	67.5	67.7	80.1	83.1	90.6	91.6	94.7	96.2	97.0	97.5	97.8	98.0	98.2	98.5	98.8	99.1
GE 200	67.5	67.7	80.1	83.1	90.8	91.7	94.9	96.5	97.2	98.0	98.3	98.4	98.7	99.0	99.4	99.7
GE 100	67.5	67.7	80.1	83.1	91.0	91.9	95.2	96.7	97.4	98.2	98.5	98.6	98.9	99.2	99.6	99.9
GE 000	67.5	67.7	80.1	83.1	91.0	91.9	95.2	96.7	97.4	98.2	98.5	98.6	98.9	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.2	28.6	34.6	36.5	39.8	40.5	41.1	41.8	42.3	42.3	42.6	42.9	42.9	43.2	43.8	43.9
GE 20000	31.8	32.3	39.1	41.3	45.1	45.9	46.6	47.5	48.0	48.0	48.5	48.8	48.9	49.2	49.9	50.0
GE 18000	31.9	32.4	39.4	41.5	45.3	46.1	46.8	47.7	48.2	48.2	48.7	49.0	49.1	49.5	50.1	50.2
GE 16000	31.9	32.4	39.4	41.5	45.3	46.1	46.8	47.7	48.2	48.2	48.7	49.0	49.1	49.5	50.1	50.2
GE 14000	31.9	32.4	39.4	41.5	45.3	46.1	47.0	48.0	48.4	48.4	48.9	49.2	49.4	49.7	50.3	50.4
GE 12000	32.3	32.8	39.8	41.9	45.8	46.7	47.5	48.5	48.9	49.0	49.6	49.9	50.0	50.3	51.0	51.1
GE 10000	33.7	34.3	41.9	44.5	48.5	49.4	50.2	51.5	52.0	52.4	52.9	53.2	53.3	53.7	54.3	54.4
GE 9000	34.4	35.1	43.0	45.6	49.6	50.5	51.4	52.7	53.2	53.5	54.1	54.4	54.5	54.8	55.5	55.6
GE 8000	36.6	37.2	45.8	48.5	52.7	53.8	54.9	56.3	56.9	57.2	57.7	58.1	58.2	58.5	59.1	59.2
GE 7000	36.9	37.5	46.5	49.4	53.7	54.7	55.9	57.3	57.8	58.2	58.7	59.0	59.1	59.5	60.1	60.2
GE 6000	37.7	38.4	47.3	50.2	54.5	55.6	56.8	58.2	58.7	59.1	59.7	60.0	60.1	60.4	61.1	61.2
GE 5000	39.8	40.5	49.9	52.8	57.2	58.4	59.7	61.1	61.6	62.2	62.7	63.0	63.1	63.4	64.1	64.2
GE 4500	41.1	41.8	51.3	54.3	58.8	60.0	61.5	63.1	63.7	64.2	64.7	65.1	65.2	65.5	66.1	66.2
GE 4000	44.5	45.3	55.4	58.5	63.5	64.8	66.5	68.3	68.8	69.4	70.0	70.3	70.5	70.9	71.5	71.6
GE 3500	45.3	46.0	56.3	59.5	64.7	66.1	68.0	70.2	70.8	71.3	71.9	72.3	72.5	72.8	73.4	73.5
GE 3000	46.5	47.3	58.4	61.5	67.3	68.7	71.0	73.2	73.8	74.3	74.9	75.3	75.5	75.8	76.5	76.6
GE 2500	48.2	49.0	60.5	63.7	69.7	71.3	73.7	75.9	76.5	77.0	77.6	78.0	78.2	78.5	79.1	79.2
GE 2000	50.1	51.1	63.0	66.2	73.0	74.6	77.4	79.7	80.2	80.9	81.5	81.8	82.0	82.4	83.0	83.1
GE 1800	51.0	51.9	64.0	67.3	74.1	75.7	78.5	80.8	81.3	81.9	82.6	82.9	83.1	83.4	84.1	84.2
GE 1500	53.5	54.5	66.7	70.1	77.2	78.9	81.8	84.1	84.6	85.4	86.0	86.3	86.6	86.9	87.5	87.6
GE 1200	54.5	55.5	68.2	71.8	79.1	80.9	83.9	86.1	86.7	87.4	88.1	88.4	88.6	88.9	89.6	89.7
GE 1000	55.5	56.5	69.6	73.4	81.1	82.9	86.1	88.5	89.0	89.8	90.4	90.8	91.0	91.3	91.9	92.0
GE 900	55.7	56.7	69.8	73.7	81.5	83.3	86.6	89.0	89.6	90.3	91.0	91.3	91.5	91.8	92.5	92.6
GE 800	56.7	57.6	70.8	74.6	82.5	84.3	87.5	90.2	90.8	91.5	92.2	92.5	92.7	93.0	93.7	93.8
GE 700	57.2	58.2	71.5	75.7	83.8	85.7	88.9	91.6	92.2	92.9	93.5	93.9	94.1	94.4	95.1	95.2
GE 600	57.2	58.2	71.5	75.7	84.0	86.1	89.5	92.3	92.8	93.5	94.2	94.5	94.7	95.1	95.7	95.8
GE 500	57.4	58.4	71.8	76.1	84.7	87.2	90.6	93.5	94.1	94.9	95.6	95.9	96.1	96.5	97.1	97.2
GE 400	57.4	58.4	71.9	76.3	84.9	87.8	91.5	94.4	94.9	95.8	96.5	96.8	97.0	97.3	98.0	98.1
GE 300	57.4	58.4	71.9	76.3	84.9	88.0	91.9	95.1	95.6	96.6	97.2	97.5	98.0	98.3	98.9	99.0
GE 200	57.4	58.4	71.9	76.3	84.9	88.1	92.2	95.5	96.0	97.1	97.8	98.2	98.7	99.0	99.7	99.8
GE 100	57.4	58.4	71.9	76.3	84.9	88.1	92.2	95.5	96.0	97.1	97.8	98.2	98.7	99.0	99.8	99.9
GE 000	57.4	58.4	71.9	76.3	84.9	88.1	92.2	95.5	96.0	97.1	97.8	98.2	98.7	99.0	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.1	33.3	38.4	39.4	40.0	40.3	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 20000	39.4	39.8	45.5	46.6	47.5	47.8	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 18000	39.6	40.0	45.7	46.8	47.7	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 16000	39.6	40.0	45.7	46.8	47.7	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 14000	39.6	40.0	45.7	46.8	47.7	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 12000	40.4	41.0	46.7	47.8	48.8	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 10000	42.7	43.2	49.0	50.2	51.2	51.6	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 9000	43.3	43.9	49.9	51.1	52.0	52.5	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 8000	45.4	46.2	52.6	53.8	54.7	55.2	55.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 7000	45.9	46.8	53.2	54.4	55.4	55.8	56.0	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 6000	46.5	47.3	53.8	54.9	55.9	56.3	56.6	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 5000	47.8	48.7	55.6	56.9	58.1	58.6	58.9	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 4500	49.5	50.3	57.3	59.0	60.2	60.8	61.1	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4000	53.0	53.9	61.1	62.9	64.4	64.9	65.4	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 3500	55.7	56.6	64.1	65.9	67.8	68.7	69.5	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 3000	59.7	60.5	68.6	70.9	73.0	74.0	74.7	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 2500	64.5	65.6	74.2	76.6	78.8	79.8	80.5	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2000	69.0	70.2	79.2	81.8	84.2	85.2	85.9	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1800	69.2	70.4	79.6	82.2	84.6	85.6	86.3	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1500	72.7	74.0	83.3	86.1	88.8	89.9	90.6	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1200	74.4	75.8	85.5	88.5	91.3	92.5	93.3	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000	75.8	77.2	87.1	90.3	93.2	94.6	95.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	76.2	77.6	87.5	90.8	93.7	95.1	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	76.3	77.7	87.7	91.1	94.1	95.6	96.5	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	76.8	78.2	88.3	91.6	94.8	96.5	97.3	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	77.1	78.5	88.8	92.2	95.5	97.1	98.1	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	77.2	78.6	89.0	92.5	95.9	97.5	98.7	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	77.2	78.6	89.0	92.7	96.1	97.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	77.2	78.6	89.0	92.7	96.1	97.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	77.2	78.6	89.0	92.7	96.1	97.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.2	78.6	89.0	92.7	96.1	97.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	77.2	78.6	89.0	92.7	96.1	97.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.9	33.0	34.6	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000	39.1	40.3	42.2	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 18000	39.2	40.4	42.3	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 16000	39.2	40.4	42.3	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 14000	39.4	40.6	42.6	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 12000	41.2	42.3	44.3	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 10000	43.6	44.8	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 9000	44.7	45.9	47.8	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 8000	48.1	49.2	51.2	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 7000	48.8	50.0	51.9	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 6000	49.6	50.8	52.7	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 5000	51.2	52.4	54.3	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 4500	54.5	55.8	57.8	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 4000	60.9	62.3	64.4	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 3500	68.5	69.9	72.4	73.1	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 3000	77.5	79.1	82.0	83.0	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2500	83.0	84.7	87.7	88.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2000	86.6	88.4	92.5	93.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	86.9	88.6	92.9	94.0	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1500	88.8	90.6	95.0	96.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	89.4	91.3	95.8	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	89.8	91.7	96.3	97.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	89.8	91.7	96.3	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	90.1	92.0	96.7	98.3	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	90.1	92.0	96.7	98.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	90.1	92.0	96.8	98.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.1	92.0	96.8	98.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.1	92.0	96.8	98.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.1	92.0	96.8	98.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.1	92.0	96.8	98.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.1	92.0	96.8	98.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.1	92.0	96.8	98.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.4	37.3	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 20000	42.5	43.7	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 18000	42.7	43.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 16000	42.7	43.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 14000	43.4	44.6	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 12000	44.8	46.0	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	48.0	49.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 9000	48.3	49.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 8000	51.8	53.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 7000	52.1	53.4	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 6000	53.1	54.4	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 5000	58.8	60.1	61.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 4500	62.2	63.6	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4000	71.6	73.2	75.2	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	80.3	82.2	84.4	84.5	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3000	84.8	87.2	89.3	89.4	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500	88.2	90.7	93.1	93.2	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2000	90.4	92.9	95.3	95.7	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	90.8	93.3	95.7	96.2	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	91.3	93.9	96.4	97.1	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	91.4	94.0	96.8	97.5	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	91.5	94.1	97.0	97.7	98.6	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	91.6	94.2	97.1	97.8	98.7	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	91.6	94.2	97.1	98.1	98.9	98.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	91.6	94.2	97.1	98.1	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	91.6	94.2	97.1	98.1	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	91.6	94.2	97.1	98.1	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	91.6	94.2	97.1	98.1	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	91.6	94.2	97.1	98.1	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	91.6	94.2	97.1	98.1	99.4	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.6	94.2	97.1	98.1	99.4	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.6	94.2	97.1	98.1	99.4	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	46.6	47.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 20000	53.2	54.0	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	53.5	54.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 16000	53.5	54.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 14000	54.2	55.0	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 12000	55.7	56.5	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 10000	60.0	60.8	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 9000	61.5	62.4	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 8000	65.9	67.0	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 7000	66.6	67.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 6000	67.6	68.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 5000	72.7	73.9	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 4500	75.7	77.0	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4000	81.1	82.4	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3500	84.7	86.2	88.9	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3000	87.2	88.8	91.8	92.3	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2500	89.4	91.0	94.2	94.9	95.5	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	90.3	91.9	95.1	96.0	96.5	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	90.5	92.2	95.6	96.4	97.0	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	90.8	92.6	96.3	97.2	98.0	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	91.2	92.9	96.7	97.5	98.3	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	91.4	93.1	97.0	97.8	98.6	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	91.5	93.2	97.1	98.0	98.7	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	91.5	93.2	97.1	98.0	98.7	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	91.7	93.4	97.3	98.2	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	91.7	93.4	97.3	98.2	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	91.7	93.4	97.3	98.2	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	91.7	93.4	97.3	98.2	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	91.7	93.4	97.3	98.2	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	91.7	93.4	97.3	98.2	99.1	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.7	93.4	97.3	98.2	99.1	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.7	93.4	97.3	98.2	99.1	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	53.2	54.3	55.0	55.1	55.4	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 20000	57.1	58.3	59.8	59.9	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 18000	57.1	58.3	59.8	59.9	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	57.1	58.3	59.8	59.9	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	57.5	58.7	60.2	60.3	60.8	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000	58.6	59.8	61.4	61.5	62.1	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 10000	61.8	63.0	64.9	65.0	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 9000	64.0	65.2	67.1	67.2	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 8000	68.8	70.1	72.1	72.2	73.5	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 7000	69.7	71.0	73.0	73.1	74.4	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 6000	71.0	72.3	74.3	74.4	75.7	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 5000	75.6	76.9	79.2	79.3	80.6	80.7	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4500	77.6	79.1	81.4	81.7	83.4	83.6	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4000	81.2	82.7	85.2	85.4	87.3	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 3500	83.3	84.8	87.4	87.6	89.4	89.6	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3000	86.2	87.9	90.6	90.9	93.1	93.3	93.4	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	86.8	88.6	91.3	91.6	94.0	94.2	94.3	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	87.2	88.9	92.0	92.3	94.7	94.9	95.1	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1800	87.4	89.2	92.4	92.8	95.1	95.4	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	88.3	90.2	93.5	94.0	96.4	96.7	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	88.8	90.6	94.0	94.4	97.0	97.2	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	89.0	90.8	94.2	94.6	97.2	97.4	97.6	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	89.0	90.8	94.2	94.6	97.2	97.4	97.6	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	89.2	91.0	94.5	94.9	97.7	98.0	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	89.2	91.3	94.8	95.3	98.2	98.4	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	89.2	91.3	94.8	95.3	98.2	98.4	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	89.2	91.3	94.8	95.3	98.4	98.6	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	89.5	91.6	95.1	95.6	98.8	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	89.5	91.6	95.1	95.6	98.8	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	89.5	91.6	95.1	95.6	98.8	99.0	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	89.5	91.6	95.1	95.6	98.8	99.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.5	91.6	95.1	95.6	98.8	99.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.3	41.0	43.9	44.5	45.6	45.8	46.1	46.3	46.4	46.4	46.5	46.5	46.6	46.6	46.7	46.8
GE 20000	45.4	46.2	49.5	50.3	51.5	51.8	52.1	52.4	52.5	52.5	52.6	52.7	52.7	52.8	52.9	53.0
GE 18000	45.5	46.3	49.7	50.4	51.6	51.9	52.3	52.6	52.6	52.7	52.8	52.8	52.9	52.9	53.0	53.1
GE 16000	45.5	46.3	49.7	50.4	51.6	51.9	52.3	52.6	52.6	52.7	52.8	52.8	52.9	52.9	53.0	53.1
GE 14000	45.8	46.6	49.9	50.7	51.9	52.2	52.6	52.8	52.9	53.0	53.0	53.1	53.2	53.2	53.3	53.4
GE 12000	46.7	47.6	50.9	51.7	53.0	53.2	53.6	53.9	54.0	54.1	54.2	54.2	54.3	54.3	54.4	54.5
GE 10000	49.6	50.5	54.1	54.9	56.3	56.5	57.0	57.3	57.5	57.5	57.6	57.7	57.7	57.8	57.9	58.0
GE 9000	50.7	51.6	55.3	56.2	57.5	57.9	58.3	58.6	58.8	58.8	58.9	59.0	59.1	59.1	59.2	59.3
GE 8000	54.1	55.1	59.1	60.0	61.5	61.9	62.4	62.7	62.9	62.9	63.0	63.1	63.1	63.2	63.3	63.4
GE 7000	54.9	55.8	60.0	60.9	62.5	62.8	63.3	63.7	63.8	63.9	64.0	64.0	64.1	64.2	64.3	64.4
GE 6000	55.8	56.8	61.0	61.9	63.5	63.8	64.3	64.7	64.8	64.9	65.0	65.0	65.1	65.2	65.3	65.4
GE 5000	59.1	60.1	64.5	65.5	67.1	67.5	68.1	68.4	68.6	68.7	68.8	68.9	68.9	69.0	69.1	69.2
GE 4500	61.4	62.4	67.0	68.0	69.8	70.3	70.9	71.3	71.4	71.5	71.6	71.7	71.7	71.8	71.9	72.0
GE 4000	66.1	67.2	72.1	73.3	75.4	75.9	76.5	76.9	77.0	77.1	77.3	77.3	77.4	77.5	77.6	77.7
GE 3500	69.7	70.9	76.0	77.3	79.5	80.0	80.7	81.2	81.4	81.5	81.6	81.7	81.7	81.8	81.9	82.0
GE 3000	73.1	74.4	79.9	81.2	83.7	84.3	85.0	85.5	85.7	85.8	85.9	86.0	86.1	86.1	86.3	86.4
GE 2500	75.5	76.9	82.6	84.0	86.5	87.1	87.9	88.4	88.6	88.7	88.9	88.9	89.0	89.1	89.2	89.3
GE 2000	77.4	78.8	84.8	86.3	89.1	89.7	90.5	91.1	91.2	91.5	91.6	91.6	91.7	91.8	91.9	92.0
GE 1800	77.9	79.3	85.4	86.9	89.7	90.3	91.2	91.7	91.9	92.1	92.2	92.2	92.3	92.4	92.5	92.6
GE 1500	79.4	80.9	87.2	88.9	91.8	92.4	93.3	93.9	94.1	94.3	94.4	94.5	94.5	94.6	94.7	94.8
GE 1200	80.1	81.6	88.1	89.9	92.9	93.6	94.5	95.0	95.2	95.4	95.6	95.6	95.7	95.8	95.9	96.0
GE 1000	80.7	82.1	88.8	90.7	93.8	94.5	95.5	96.0	96.2	96.5	96.6	96.7	96.7	96.8	96.9	97.0
GE 900	80.8	82.3	89.0	90.9	94.0	94.7	95.7	96.3	96.5	96.7	96.9	96.9	97.0	97.1	97.2	97.3
GE 800	81.1	82.6	89.3	91.2	94.4	95.2	96.1	96.8	96.9	97.2	97.3	97.4	97.5	97.5	97.6	97.7
GE 700	81.3	82.9	89.7	91.7	95.0	95.8	96.7	97.4	97.6	97.8	98.0	98.0	98.1	98.2	98.3	98.4
GE 600	81.5	83.0	89.9	91.8	95.2	96.0	97.0	97.7	97.9	98.1	98.3	98.3	98.4	98.5	98.6	98.7
GE 500	81.5	83.0	90.0	92.0	95.5	96.4	97.4	98.1	98.3	98.6	98.7	98.8	98.8	98.9	99.0	99.1
GE 400	81.6	83.1	90.1	92.2	95.7	96.6	97.7	98.4	98.6	98.9	99.0	99.1	99.1	99.2	99.3	99.4
GE 300	81.6	83.1	90.1	92.2	95.7	96.6	97.8	98.5	98.7	99.0	99.1	99.2	99.3	99.4	99.5	99.6
GE 200	81.6	83.1	90.1	92.2	95.7	96.7	97.9	98.6	98.8	99.2	99.4	99.4	99.5	99.6	99.7	99.8
GE 100	81.6	83.1	90.1	92.2	95.8	96.7	97.9	98.7	98.9	99.3	99.5	99.5	99.7	99.7	99.9	100.0
GE 000	81.6	83.1	90.1	92.2	95.8	96.7	97.9	98.7	98.9	99.3	99.5	99.5	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7429

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	49.7	50.9	54.7	55.7	57.6	57.9	58.3	58.4	58.4	58.9	58.9	58.9	58.9	58.9	59.1	59.2
GE 20000	53.3	54.5	58.5	59.6	62.0	62.4	62.8	63.1	63.2	63.7	63.7	63.7	63.7	63.9	64.0	64.1
GE 18000	53.3	54.5	58.5	59.6	62.0	62.4	62.8	63.1	63.2	63.7	63.7	63.7	63.7	63.9	64.0	64.1
GE 16000	53.3	54.5	58.5	59.6	62.0	62.4	62.8	63.1	63.2	63.7	63.7	63.7	63.7	63.9	64.0	64.1
GE 14000	53.7	54.9	58.9	60.0	62.4	62.8	63.2	63.5	63.6	64.1	64.1	64.1	64.1	64.3	64.4	64.5
GE 12000	54.0	55.3	59.6	60.7	63.3	63.7	64.1	64.4	64.5	65.1	65.1	65.1	65.1	65.2	65.3	65.5
GE 10000	55.6	57.1	61.6	62.7	65.6	66.1	66.5	66.8	66.9	67.5	67.5	67.5	67.5	67.6	67.7	67.9
GE 9000	57.1	58.7	63.3	64.4	67.3	67.9	68.3	68.5	68.7	69.2	69.2	69.2	69.2	69.3	69.5	69.6
GE 8000	59.1	60.7	65.7	66.8	70.0	70.5	70.9	71.5	71.6	72.1	72.1	72.1	72.1	72.3	72.4	72.5
GE 7000	59.7	61.3	66.4	67.5	70.7	71.2	71.6	72.1	72.3	72.8	72.8	72.8	72.8	72.9	73.1	73.2
GE 6000	60.8	62.5	67.6	68.8	72.0	72.5	72.9	73.5	73.6	74.1	74.1	74.1	74.1	74.3	74.4	74.5
GE 5000	65.5	67.3	72.5	74.0	77.2	77.7	78.1	78.7	78.8	79.3	79.3	79.3	79.3	79.5	79.6	79.7
GE 4500	67.9	69.7	75.2	76.7	79.9	80.4	80.8	81.3	81.5	82.0	82.0	82.0	82.0	82.1	82.3	82.4
GE 4000	69.7	71.7	77.9	79.3	82.7	83.2	83.7	84.3	84.7	85.2	85.2	85.2	85.2	85.3	85.5	85.6
GE 3500	71.2	73.2	79.3	80.8	84.3	84.9	85.6	86.1	86.5	87.1	87.1	87.1	87.1	87.2	87.3	87.5
GE 3000	72.4	74.4	80.5	82.0	85.9	86.5	87.3	87.9	88.3	88.8	88.8	88.8	88.8	88.9	89.1	89.2
GE 2500	73.5	75.6	82.0	83.5	87.5	88.3	89.1	89.6	90.0	90.5	90.5	90.5	90.5	90.7	90.8	90.9
GE 2000	74.5	76.7	83.5	84.9	89.2	90.0	90.8	91.3	91.7	92.4	92.4	92.4	92.4	92.5	92.7	92.8
GE 1800	74.7	76.8	83.7	85.2	89.5	90.3	91.1	91.6	92.0	92.7	92.7	92.7	92.7	92.8	92.9	93.1
GE 1500	75.1	77.2	84.5	86.1	90.4	91.3	92.1	92.7	93.1	93.7	93.7	93.7	93.7	93.9	94.0	94.1
GE 1200	75.6	77.7	85.2	86.8	91.3	92.3	93.1	93.6	94.0	94.7	94.7	94.7	94.7	94.8	94.9	95.1
GE 1000	76.3	78.4	85.9	87.5	92.1	93.1	93.9	94.4	94.8	95.5	95.5	95.5	95.5	95.6	95.7	95.9
GE 900	76.4	78.5	86.0	87.7	92.4	93.3	94.1	94.9	95.3	96.0	96.0	96.0	96.0	96.1	96.3	96.4
GE 800	76.8	79.1	86.8	88.7	93.5	94.5	95.3	96.3	96.7	97.3	97.3	97.3	97.3	97.5	97.6	97.7
GE 700	76.8	79.1	86.8	88.7	93.6	94.7	95.6	96.5	96.9	97.6	97.6	97.6	97.6	97.7	97.9	98.0
GE 600	76.8	79.1	86.8	88.7	93.6	94.7	95.6	96.5	96.9	97.6	97.6	97.6	97.6	97.7	97.9	98.0
GE 500	76.8	79.1	86.8	88.7	93.6	94.8	95.9	96.9	97.5	98.1	98.1	98.1	98.1	98.3	98.4	98.5
GE 400	77.1	79.3	87.1	88.9	93.9	95.1	96.1	97.2	97.7	98.4	98.4	98.4	98.4	98.5	98.7	98.8
GE 300	77.1	79.3	87.1	88.9	93.9	95.1	96.3	97.3	97.9	98.7	98.7	98.7	98.7	98.8	98.9	99.1
GE 200	77.1	79.3	87.1	88.9	93.9	95.1	96.3	97.5	98.1	98.9	99.1	99.1	99.1	99.2	99.5	99.6
GE 100	77.1	79.3	87.1	88.9	93.9	95.1	96.3	97.5	98.3	99.1	99.2	99.2	99.2	99.3	99.6	100.0
GE 000	77.1	79.3	87.1	88.9	93.9	95.1	96.3	97.5	98.3	99.1	99.2	99.2	99.2	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 750

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.5	37.1	42.8	43.6	47.5	49.1	50.0	52.1	52.3	52.5	52.8	52.8	52.9	52.9	53.0	53.7
GE 20000	38.9	39.8	46.1	46.9	51.1	52.8	53.7	55.8	56.0	56.3	56.5	56.5	56.7	56.8	57.0	57.8
GE 18000	38.9	39.8	46.1	46.9	51.1	52.8	53.7	55.8	56.0	56.3	56.5	56.5	56.7	56.8	57.0	57.8
GE 16000	38.9	39.8	46.1	46.9	51.1	52.8	53.7	55.8	56.0	56.3	56.5	56.5	56.7	56.8	57.0	57.8
GE 14000	39.4	40.2	46.7	47.5	51.7	53.3	54.2	56.3	56.5	56.9	57.1	57.1	57.2	57.3	57.5	58.3
GE 12000	39.7	40.6	47.0	47.8	52.2	54.0	54.9	57.1	57.4	57.8	58.0	58.0	58.1	58.2	58.4	59.2
GE 10000	40.8	41.7	48.3	49.1	53.5	55.5	56.4	58.8	59.1	59.4	59.6	59.6	59.8	59.9	60.1	60.9
GE 9000	40.8	41.7	48.3	49.2	53.7	55.7	56.5	58.9	59.2	59.5	59.8	59.8	59.9	60.0	60.2	61.0
GE 800	43.8	44.8	51.6	52.5	57.4	59.5	60.4	63.1	63.5	64.0	64.2	64.2	64.3	64.4	64.6	65.4
GE 70	44.6	45.6	52.5	53.5	58.4	60.5	61.4	64.1	64.5	65.0	65.2	65.2	65.3	65.4	65.6	66.4
GE 6000	44.7	45.7	52.8	53.8	58.6	60.8	61.6	64.3	64.7	65.2	65.4	65.4	65.5	65.6	65.9	66.6
GE 5000	46.9	47.9	55.5	56.7	61.6	63.7	64.6	67.3	67.7	68.2	68.4	68.4	68.5	68.6	68.8	69.6
GE 4500	50.3	51.3	59.2	60.5	65.9	68.0	69.1	71.8	72.3	72.7	72.9	72.9	73.1	73.2	73.4	74.2
GE 4000	53.8	54.9	63.1	64.4	70.0	72.2	73.3	76.1	76.8	77.4	77.6	77.6	77.7	77.8	78.0	78.8
GE 3500	55.0	56.2	64.4	65.7	71.3	73.5	74.6	77.4	78.2	78.8	79.0	79.0	79.2	79.3	79.5	80.4
GE 3000	56.7	57.9	66.5	67.8	73.5	75.8	76.9	79.9	80.7	81.4	81.6	81.6	81.7	81.8	82.0	82.9
GE 2500	57.4	58.6	67.3	68.6	74.3	76.6	77.7	80.7	81.5	82.2	82.4	82.4	82.5	82.6	82.8	83.8
GE 2000	59.1	60.4	69.2	70.6	76.3	78.6	79.8	82.9	83.7	84.4	84.6	84.6	84.7	84.8	85.0	86.0
GE 1800	59.1	60.4	69.2	70.6	76.3	78.6	79.8	82.9	83.7	84.4	84.6	84.6	84.7	84.8	85.0	86.0
GE 1500	60.4	61.8	71.1	72.6	78.3	80.7	81.9	85.3	86.0	86.7	86.9	86.9	87.0	87.1	87.4	88.4
GE 1200	61.4	62.7	72.5	74.4	80.0	82.5	83.7	87.0	87.8	88.5	88.7	88.7	88.8	88.9	89.1	90.1
GE 1000	61.8	63.1	73.1	75.2	80.8	83.3	84.5	88.1	88.9	89.6	89.8	89.8	89.9	90.0	90.2	91.4
GE 900	62.2	63.5	73.5	75.9	81.6	84.0	85.3	88.9	89.7	90.4	90.6	90.6	90.7	90.8	91.0	92.2
GE 800	63.0	64.3	74.5	76.9	82.9	85.4	86.6	90.5	91.4	92.1	92.4	92.4	92.5	92.6	92.8	94.1
GE 700	63.2	64.5	74.9	77.4	83.6	86.0	87.4	91.2	92.2	93.0	93.2	93.2	93.3	93.5	93.7	95.0
GE 600	63.2	64.5	74.9	77.4	83.6	86.0	87.4	91.2	92.2	93.0	93.2	93.2	93.3	93.5	93.7	95.0
GE 500	63.3	64.6	75.1	77.5	83.8	86.3	87.9	92.2	93.5	94.5	94.7	94.8	94.9	95.0	95.2	96.6
GE 400	63.3	64.6	75.1	77.5	83.8	86.3	87.9	92.4	93.6	94.8	95.0	95.1	95.2	95.3	95.7	97.1
GE 300	63.3	64.6	75.1	77.5	83.8	86.3	88.0	92.5	93.7	94.9	95.1	95.2	95.3	95.5	95.9	97.5
GE 200	63.3	64.6	75.1	77.5	83.8	86.3	88.0	92.5	94.0	95.3	95.6	95.7	96.3	96.5	96.9	98.6
GE 100	63.3	64.6	75.1	77.5	83.8	86.4	88.1	92.6	94.2	95.6	95.8	95.9	96.6	97.0	97.7	99.7
GE 000	63.3	64.6	75.1	77.5	83.8	86.4	88.1	92.6	94.2	95.6	95.8	96.0	96.7	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 902



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.2	20.5	27.7	30.2	34.3	35.9	37.5	39.6	40.5	41.2	41.4	41.4	41.4	41.4	41.5	42.0
GE 20000	22.8	23.1	31.2	33.9	38.4	40.1	41.7	43.8	44.7	45.5	45.9	46.1	46.2	46.2	46.3	47.2
GE 18000	23.2	23.5	31.8	34.5	39.0	40.8	42.4	44.4	45.4	46.1	46.6	46.8	46.9	46.9	47.0	47.8
GE 16000	23.2	23.5	31.8	34.5	39.0	40.8	42.4	44.4	45.4	46.1	46.6	46.8	46.9	46.9	47.0	47.8
GE 14000	23.7	24.0	32.3	34.9	39.6	41.3	42.9	44.9	46.0	46.8	47.2	47.4	47.5	47.7	47.8	48.8
GE 12000	24.0	24.3	32.6	35.3	40.0	41.7	43.3	45.5	46.7	47.5	48.0	48.2	48.3	48.5	48.6	49.6
GE 10000	25.3	25.6	34.2	37.5	42.6	44.5	46.1	48.5	49.7	50.6	51.3	51.5	51.6	51.8	52.3	53.3
GE 9000	26.0	26.5	35.7	39.4	44.6	46.6	48.2	50.5	51.7	52.7	53.3	53.5	53.7	53.9	54.3	55.4
GE 8000	29.2	29.7	39.2	42.9	48.6	50.8	52.4	54.8	56.0	57.1	57.7	58.0	58.1	58.3	58.7	59.8
GE 7000	30.3	30.9	40.5	44.5	50.4	52.6	54.2	56.7	58.0	59.0	59.7	59.9	60.0	60.2	60.6	61.7
GE 6000	30.6	31.2	41.0	44.9	50.9	53.0	54.6	57.1	58.4	59.5	60.1	60.3	60.4	60.6	61.1	62.2
GE 5000	31.6	32.4	42.7	46.7	52.7	54.8	56.8	59.5	60.8	61.8	62.5	62.7	62.8	63.0	63.4	64.7
GE 4500	32.6	33.3	44.2	48.2	54.3	56.5	58.4	61.3	62.6	63.9	64.5	64.7	64.8	65.1	65.5	66.8
GE 4000	35.2	35.9	47.3	51.3	57.5	59.8	61.7	64.8	66.1	67.6	68.3	68.5	68.6	68.8	69.2	70.5
GE 3500	36.1	36.9	48.7	52.7	59.2	61.5	63.8	67.1	68.5	70.0	70.8	71.0	71.1	71.4	71.8	73.1
GE 3000	37.5	38.3	50.1	54.2	61.2	63.4	65.8	69.1	70.6	72.2	72.9	73.3	73.4	73.8	74.2	75.5
GE 2500	39.1	39.9	51.8	56.1	63.2	65.5	68.0	71.6	73.1	74.6	75.4	75.8	75.9	76.2	76.7	78.1
GE 2000	41.1	42.0	54.6	58.9	66.2	68.6	71.1	74.8	76.3	77.8	78.6	79.0	79.1	79.5	79.9	81.3
GE 1800	41.4	42.4	55.1	59.4	67.0	69.4	71.8	75.6	77.1	78.7	79.5	79.9	80.0	80.3	80.8	82.2
GE 1500	42.8	43.8	56.8	61.2	68.9	71.3	73.8	78.1	79.6	81.2	81.9	82.4	82.5	82.8	83.2	84.6
GE 1200	43.9	44.8	58.5	63.0	71.3	73.8	76.6	80.9	82.4	84.1	84.8	85.3	85.4	85.7	86.1	87.7
GE 1000	45.1	46.0	60.1	64.9	73.4	75.9	78.7	83.0	84.5	86.2	87.0	87.4	87.6	88.0	88.4	90.2
GE 900	45.3	46.2	60.3	65.2	73.9	76.3	79.2	83.5	85.1	86.8	87.5	88.0	88.2	88.5	88.9	90.8
GE 800	45.6	46.6	60.8	65.7	74.7	77.3	80.3	84.6	86.1	87.8	88.7	89.1	89.4	89.7	90.1	91.9
GE 700	45.9	46.9	61.2	66.2	75.4	78.1	81.2	85.6	87.2	89.1	90.0	90.4	90.6	91.0	91.4	93.2
GE 600	45.9	46.9	61.3	66.6	75.8	78.6	81.8	86.3	88.0	89.9	90.8	91.2	91.4	91.8	92.3	94.1
GE 500	45.9	46.9	61.5	66.8	76.3	79.1	82.4	86.9	88.5	90.5	91.4	91.8	92.0	92.5	92.9	94.7
GE 400	45.9	46.9	61.5	66.8	76.5	79.2	82.7	87.5	89.2	91.5	92.7	93.1	93.3	93.9	94.3	96.1
GE 300	45.9	46.9	61.5	66.8	76.5	79.4	82.8	87.6	89.8	92.2	93.3	93.8	94.0	94.5	94.9	96.9
GE 200	45.9	46.9	61.5	66.8	76.5	79.4	83.0	88.0	90.2	92.6	93.9	94.3	94.8	95.5	95.9	98.8
GE 100	45.9	46.9	61.5	66.8	76.5	79.4	83.1	88.3	90.6	93.0	94.3	94.7	95.3	95.9	96.3	100.0
GE 000	45.9	46.9	61.5	66.8	76.5	79.4	83.1	88.3	90.6	93.0	94.3	94.7	95.3	95.9	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.3	27.9	34.8	37.7	40.5	40.9	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.4	41.4
GE 20000	31.3	32.1	39.9	42.9	45.9	46.5	46.8	47.0	47.1	47.1	47.1	47.1	47.3	47.3	47.4	47.4
GE 18000	31.5	32.3	40.2	43.2	46.1	46.7	47.0	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.6	47.6
GE 16000	31.5	32.3	40.2	43.2	46.1	46.7	47.0	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.6	47.6
GE 14000	31.9	32.6	40.5	43.5	46.5	47.1	47.5	47.7	47.8	47.8	47.8	47.8	47.9	47.9	48.0	48.0
GE 12000	32.9	33.7	41.8	45.1	48.1	48.9	49.2	49.4	49.5	49.5	49.5	49.5	49.6	49.6	49.7	49.8
GE 10000	35.2	36.0	45.0	48.4	51.7	52.6	53.0	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.5	53.6
GE 9000	35.4	36.3	45.5	49.0	52.3	53.3	53.6	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.1	54.3
GE 8000	38.2	39.1	49.1	52.9	56.3	57.3	57.6	57.8	57.9	57.9	57.9	57.9	58.0	58.0	58.1	58.2
GE 7000	38.6	39.5	49.6	53.4	56.8	57.8	58.1	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.7	58.8
GE 6000	38.9	39.7	50.1	53.8	57.3	58.2	58.6	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.1	59.2
GE 5000	40.9	41.9	53.0	56.8	60.5	61.5	62.0	62.3	62.5	62.6	62.6	62.6	62.8	62.8	62.9	63.0
GE 4500	42.3	43.3	54.6	58.4	62.2	63.4	64.0	64.4	64.6	65.0	65.0	65.0	65.1	65.1	65.2	65.3
GE 4000	44.9	45.9	57.5	61.5	65.7	67.0	68.0	68.5	68.7	69.1	69.1	69.1	69.2	69.2	69.3	69.4
GE 3500	46.6	47.6	59.4	63.4	67.7	69.2	70.6	71.3	71.5	71.9	71.9	71.9	72.0	72.0	72.1	72.2
GE 3000	49.4	50.4	62.4	66.7	71.5	73.1	74.5	75.1	75.3	75.8	75.8	75.8	75.9	75.9	76.0	76.1
GE 2500	51.7	52.9	65.2	69.6	74.4	76.0	77.4	78.0	78.3	78.7	78.7	78.7	78.8	78.8	78.9	79.0
GE 2000	55.1	56.4	69.5	74.0	78.8	80.4	81.9	82.7	82.9	83.3	83.3	83.3	83.4	83.4	83.5	83.6
GE 1800	55.8	57.2	70.4	74.8	79.7	81.3	82.8	83.5	83.7	84.2	84.2	84.2	84.3	84.3	84.4	84.5
GE 1500	58.4	60.1	74.0	78.6	84.0	85.7	87.3	88.1	88.3	88.7	88.7	88.7	88.8	88.8	88.9	89.0
GE 1200	60.1	61.8	75.9	80.5	86.0	87.7	89.5	90.3	90.5	91.0	91.0	91.0	91.1	91.1	91.2	91.3
GE 1000	60.6	62.3	77.0	81.6	87.3	89.1	91.0	91.9	92.1	92.6	92.6	92.6	92.7	92.7	92.8	92.9
GE 900	60.8	62.5	77.6	82.5	88.3	90.1	92.0	93.0	93.2	93.6	93.6	93.6	93.8	93.8	93.9	94.0
GE 800	60.8	62.6	77.8	82.8	88.8	90.6	92.6	93.5	93.8	94.3	94.3	94.3	94.4	94.4	94.5	94.6
GE 700	60.9	62.8	78.4	83.4	90.1	91.9	94.0	94.9	95.2	95.7	95.7	95.7	95.8	95.8	95.9	96.0
GE 600	61.0	62.9	78.5	83.5	90.5	92.4	94.5	95.6	95.8	96.3	96.3	96.3	96.4	96.4	96.6	96.7
GE 500	61.0	62.9	78.8	83.9	91.1	93.0	95.2	96.4	96.7	97.4	97.4	97.4	97.6	97.6	97.7	97.8
GE 400	61.0	62.9	78.8	83.9	91.2	93.2	95.4	96.7	97.0	98.0	98.0	98.0	98.2	98.2	98.3	98.4
GE 300	61.0	62.9	78.8	83.9	91.5	93.5	96.0	97.5	97.8	98.9	98.9	98.9	99.1	99.1	99.2	99.4
GE 200	61.0	62.9	78.8	84.0	91.6	93.6	96.1	97.6	98.0	99.0	99.0	99.0	99.2	99.6	99.6	99.9
GE 100	61.0	62.9	78.8	84.0	91.6	93.6	96.1	97.6	98.0	99.0	99.0	99.0	99.2	99.6	99.6	100.0
GE 000	61.0	62.9	78.8	84.0	91.6	93.6	96.1	97.6	98.0	99.0	99.0	99.0	99.2	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.1	31.1	33.6	34.1	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	37.4	38.6	41.2	42.1	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 18000	37.6	38.8	41.4	42.4	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 16000	37.6	38.8	41.4	42.4	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 14000	37.6	38.8	41.4	42.4	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 12000	38.8	40.1	42.7	43.7	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 10000	42.0	43.5	46.4	47.6	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 9000	42.5	44.1	47.2	48.4	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	45.0	46.7	50.3	51.4	52.3	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 7000	45.4	47.1	50.7	51.9	52.8	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 6000	45.9	47.6	51.2	52.3	53.3	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 5000	50.2	51.9	55.7	56.9	58.0	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 4500	52.8	54.7	58.6	59.7	61.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4000	58.4	60.4	64.4	66.1	67.7	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3500	65.1	67.4	71.7	73.5	75.1	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3000	72.1	74.6	79.4	81.3	83.4	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500	75.3	78.1	83.5	85.4	87.5	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2000	77.8	80.6	86.1	88.4	90.6	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1800	78.6	81.5	87.0	89.4	91.5	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1500	80.1	83.0	89.1	91.6	94.2	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	80.7	83.8	89.9	92.4	95.0	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	81.4	84.5	91.1	93.5	96.3	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	81.5	84.6	91.2	93.7	96.8	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	82.0	85.1	91.6	94.1	97.3	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	82.3	85.4	92.0	94.5	98.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	82.3	85.4	92.0	94.6	98.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	82.3	85.4	92.0	94.6	98.1	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	82.3	85.4	92.0	94.6	98.1	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	82.3	85.4	92.0	94.6	98.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.3	85.4	92.0	94.6	98.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.3	85.4	92.0	94.6	98.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.3	85.4	92.0	94.6	98.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 883

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.4	33.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	39.6	40.8	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 18000	39.6	40.8	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	39.6	40.8	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 14000	40.0	41.2	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 12000	41.2	42.4	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 10000	44.8	46.3	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 9000	46.0	47.5	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 8000	48.7	50.7	53.9	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 7000	49.7	51.6	54.9	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 6000	50.3	52.5	55.7	56.3	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000	55.3	57.6	61.5	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 4500	61.1	63.5	67.3	68.2	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4000	69.0	71.4	75.6	76.6	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3500	75.0	77.6	82.2	83.2	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3000	79.1	81.8	87.0	88.0	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	80.4	83.1	88.8	89.9	90.9	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2000	82.2	85.1	91.2	92.3	93.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	82.2	85.1	91.2	92.3	93.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	83.9	86.8	93.3	94.4	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1200	84.4	87.4	94.1	95.2	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	84.6	87.6	94.6	95.8	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	84.8	87.8	94.7	95.9	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	84.9	87.9	94.8	96.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	85.4	88.4	95.3	96.5	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	85.5	88.5	95.6	96.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.5	88.5	95.6	96.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.5	88.5	95.6	96.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.5	88.5	95.6	96.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.5	88.5	95.6	96.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.5	88.5	95.6	96.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.5	88.5	95.6	96.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.2	43.3	44.9	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 20000	48.5	49.7	51.9	52.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 18000	48.5	49.7	51.9	52.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 16000	48.9	50.1	52.3	52.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 14000	49.4	50.6	53.0	53.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 12000	51.4	52.6	55.1	55.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	55.4	56.8	59.5	60.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 9000	56.3	57.9	60.6	61.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 8000	61.0	62.8	65.5	66.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	62.2	64.0	66.8	67.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 6000	62.8	64.8	67.6	68.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 5000	68.4	70.4	73.6	74.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4500	71.6	73.6	77.0	78.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4000	76.1	78.1	82.3	83.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3500	79.0	81.1	86.1	87.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3000	80.7	82.9	88.2	89.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	82.6	84.9	90.6	91.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2000	83.8	86.2	91.9	93.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	83.9	86.3	92.0	93.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	84.3	86.7	92.4	93.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	85.3	87.6	93.6	94.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	85.5	87.9	93.9	95.1	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	85.5	87.9	93.9	95.1	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	85.7	88.0	94.0	95.2	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	85.7	88.0	94.3	95.5	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	85.7	88.0	94.3	95.5	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	85.7	88.0	94.3	95.5	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	85.7	88.0	94.3	95.5	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	85.7	88.0	94.3	95.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.7	88.0	94.3	95.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.7	88.0	94.3	95.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.7	88.0	94.3	95.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 753

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITSBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	52.0	53.2	54.5	55.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	56.6	57.8	59.8	60.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 18000	56.8	58.0	59.9	60.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 16000	57.2	58.4	60.3	60.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 14000	57.4	58.6	60.6	61.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	57.7	58.9	61.3	61.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 10000	59.9	61.5	64.1	64.6	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 9000	60.9	62.6	65.1	65.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 8000	63.9	65.6	68.7	69.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 7000	64.6	66.3	69.5	70.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 6000	65.4	67.1	70.4	71.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 5000	70.0	71.8	75.5	76.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 4500	71.6	73.3	77.1	78.1	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4000	75.1	76.8	80.8	82.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 3500	77.7	79.4	83.7	85.0	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3000	80.0	81.7	86.2	87.7	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	81.2	82.9	87.5	89.1	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	82.6	84.4	89.4	91.0	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	82.8	84.5	89.5	91.1	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	83.3	85.0	90.5	92.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	84.0	85.8	91.4	93.1	97.1	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	84.1	86.1	91.8	93.5	97.5	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	84.1	86.1	91.8	93.5	97.5	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	84.2	86.2	91.9	93.6	97.6	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	84.5	86.5	92.2	93.9	98.3	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	84.6	86.6	92.3	94.0	98.4	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	84.6	86.6	92.3	94.0	98.4	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	84.6	86.6	92.3	94.0	98.4	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	84.6	86.6	92.3	94.0	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.6	86.6	92.3	94.0	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.6	86.6	92.3	94.0	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.6	86.6	92.3	94.0	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 754

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	35.5	36.3	40.3	41.5	43.4	43.9	44.4	45.0	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.6
GE 20000	40.2	41.2	45.7	47.0	49.3	50.0	50.4	51.0	51.2	51.4	51.5	51.6	51.6	51.6	51.7	51.9
GE 18000	40.3	41.3	45.9	47.2	49.5	50.1	50.6	51.2	51.4	51.6	51.7	51.7	51.8	51.8	51.9	52.1
GE 16000	40.4	41.4	46.0	47.3	49.6	50.2	50.7	51.3	51.5	51.7	51.8	51.8	51.9	51.9	52.0	52.2
GE 14000	40.7	41.7	46.4	47.6	50.0	50.7	51.1	51.7	51.9	52.1	52.2	52.2	52.3	52.3	52.4	52.7
GE 12000	41.6	42.6	47.4	48.7	51.2	51.9	52.3	53.0	53.2	53.5	53.5	53.6	53.6	53.7	53.8	54.0
GE 10000	44.0	45.1	50.2	51.8	54.4	55.2	55.6	56.3	56.5	56.8	56.9	56.9	57.0	57.0	57.2	57.4
GE 9000	44.7	45.9	51.2	52.8	55.5	56.3	56.7	57.4	57.6	57.9	58.0	58.0	58.1	58.1	58.3	58.5
GE 8000	47.7	49.0	54.7	56.3	59.4	60.2	60.7	61.4	61.7	62.0	62.1	62.1	62.2	62.2	62.3	62.6
GE 7000	48.4	49.8	55.6	57.3	60.3	61.2	61.6	62.4	62.7	63.0	63.1	63.1	63.2	63.2	63.3	63.6
GE 6000	48.9	50.4	56.2	58.0	61.1	61.9	62.4	63.2	63.4	63.7	63.8	63.8	63.9	63.9	64.1	64.3
GE 5000	52.5	54.0	60.3	62.1	65.3	66.2	66.7	67.5	67.8	68.1	68.2	68.2	68.3	68.3	68.5	68.8
GE 4500	55.1	56.7	63.2	65.1	68.4	69.3	69.9	70.7	71.0	71.4	71.5	71.5	71.6	71.6	71.8	72.1
GE 4000	59.1	60.7	67.6	69.7	73.2	74.1	74.8	75.7	76.0	76.4	76.6	76.6	76.6	76.7	76.8	77.1
GE 3500	62.1	63.7	71.0	73.0	76.6	77.7	78.4	79.4	79.8	80.2	80.3	80.4	80.4	80.5	80.6	80.9
GE 3000	64.9	66.6	74.1	76.3	80.1	81.3	82.0	83.1	83.5	83.9	84.0	84.1	84.1	84.2	84.3	84.6
GE 2500	66.6	68.4	76.2	78.4	82.4	83.5	84.3	85.4	85.8	86.2	86.3	86.4	86.4	86.5	86.6	87.0
GE 2000	68.5	70.4	78.6	80.9	84.9	86.1	86.9	88.0	88.4	88.8	89.0	89.0	89.1	89.1	89.3	89.6
GE 1800	68.8	70.7	78.9	81.2	85.3	86.5	87.3	88.4	88.8	89.2	89.4	89.4	89.5	89.6	89.7	90.0
GE 1500	70.1	72.0	80.7	83.1	87.4	88.6	89.5	90.7	91.1	91.6	91.7	91.7	91.8	91.9	92.0	92.3
GE 1200	71.0	73.0	81.9	84.4	88.9	90.1	91.1	92.4	92.7	93.2	93.3	93.4	93.4	93.5	93.6	94.0
GE 1000	71.5	73.5	82.7	85.3	89.9	91.2	92.2	93.5	93.9	94.4	94.5	94.6	94.6	94.7	94.8	95.2
GE 900	71.6	73.7	82.9	85.6	90.3	91.7	92.6	94.0	94.4	94.9	95.0	95.1	95.1	95.2	95.3	95.8
GE 800	71.9	74.0	83.3	86.0	91.0	92.3	93.3	94.8	95.2	95.6	95.8	95.9	95.9	96.0	96.1	96.6
GE 700	72.2	74.2	83.7	86.4	91.6	93.0	94.1	95.5	96.0	96.5	96.6	96.7	96.7	96.8	96.9	97.4
GE 600	72.2	74.3	83.8	86.5	91.9	93.3	94.4	95.9	96.3	96.8	97.0	97.0	97.1	97.2	97.3	97.7
GE 500	72.2	74.3	83.8	86.6	92.0	93.5	94.7	96.2	96.7	97.3	97.5	97.5	97.6	97.7	97.8	98.3
GE 400	72.2	74.3	83.9	86.6	92.1	93.6	94.8	96.4	96.9	97.6	97.8	97.9	98.0	98.1	98.2	98.7
GE 300	72.2	74.3	83.9	86.6	92.2	93.7	95.0	96.6	97.2	97.9	98.1	98.2	98.3	98.4	98.5	99.0
GE 200	72.2	74.3	83.9	86.7	92.2	93.7	95.0	96.7	97.4	98.1	98.3	98.4	98.6	98.8	98.9	99.6
GE 100	72.2	74.3	83.9	86.7	92.2	93.7	95.0	96.8	97.5	98.2	98.4	98.5	98.7	98.9	99.1	100.0
GE 000	72.2	74.3	83.9	86.7	92.2	93.7	95.0	96.8	97.5	98.2	98.4	98.5	98.8	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6734

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	35.2	36.0	38.8	39.4	42.9	43.8	44.4	45.1	45.9	46.7	46.9	47.0	47.1	47.2	48.1	48.3
GE 20000	39.2	40.0	43.6	44.2	48.2	49.1	49.8	50.4	51.2	52.0	52.2	52.3	52.4	52.6	53.4	53.7
GE 18000	39.2	40.0	43.6	44.2	48.2	49.1	49.8	50.4	51.2	52.0	52.2	52.3	52.4	52.6	53.4	53.7
GE 16000	39.2	40.0	43.6	44.2	48.2	49.1	49.8	50.4	51.2	52.0	52.2	52.3	52.4	52.6	53.4	53.7
GE 14000	39.4	40.2	43.8	44.4	48.4	49.3	50.0	50.7	51.4	52.2	52.4	52.6	52.7	52.8	53.7	53.9
GE 12000	40.2	41.0	44.6	45.3	49.4	50.3	51.0	51.7	52.4	53.2	53.4	53.6	53.7	53.8	54.7	54.9
GE 10000	42.6	43.3	47.0	47.8	52.0	52.9	53.9	54.6	55.4	56.2	56.4	56.6	56.7	56.8	57.7	57.9
GE 9000	43.8	44.6	48.4	49.2	53.4	54.3	55.3	56.0	56.9	57.7	57.9	58.0	58.1	58.2	59.1	59.3
GE 8000	45.7	46.4	50.4	51.4	55.7	56.7	57.8	58.6	59.6	60.3	60.6	60.7	60.8	60.9	61.8	62.0
GE 7000	45.7	46.6	50.6	51.6	55.8	56.8	57.9	58.7	59.7	60.6	60.8	60.9	61.0	61.1	62.0	62.2
GE 6000	45.9	46.8	50.8	51.8	56.0	57.0	58.1	58.9	59.9	60.8	61.0	61.1	61.2	61.3	62.2	62.4
GE 5000	48.0	48.9	52.9	53.9	58.1	59.1	60.2	61.0	62.0	62.9	63.1	63.2	63.3	63.4	64.3	64.6
GE 4500	50.0	50.9	54.9	55.9	60.2	61.3	62.4	63.2	64.2	65.1	65.3	65.4	65.6	65.7	66.6	66.8
GE 4000	55.4	56.4	60.6	61.7	66.2	67.3	68.4	69.2	70.3	71.2	71.4	71.6	71.7	71.8	72.7	72.9
GE 3500	57.3	58.3	62.7	63.8	68.3	69.4	70.6	71.3	72.4	73.4	73.7	73.8	73.9	74.1	75.0	75.2
GE 3000	59.7	60.7	65.2	66.3	71.3	72.4	73.6	74.4	75.6	76.6	76.8	76.9	77.0	77.2	78.1	78.3
GE 2500	62.9	63.9	68.9	70.0	75.3	76.4	77.6	78.4	79.6	80.6	80.8	80.9	81.0	81.2	82.1	82.3
GE 2000	65.3	66.4	71.6	72.7	78.3	79.4	80.7	81.6	82.7	83.7	83.9	84.0	84.1	84.3	85.2	85.4
GE 1800	66.6	67.7	72.8	73.9	79.6	80.7	81.9	82.8	83.9	84.9	85.1	85.2	85.3	85.6	86.4	86.7
GE 1500	67.8	68.9	74.8	76.1	82.1	83.4	84.7	85.6	86.7	87.7	87.9	88.0	88.1	88.3	89.2	89.4
GE 1200	68.9	70.1	76.3	77.7	83.8	85.1	86.3	87.4	88.6	89.6	89.8	89.9	90.0	90.2	91.1	91.3
GE 1000	69.7	71.1	77.8	79.2	85.4	86.8	88.1	89.4	90.6	91.6	91.8	91.9	92.0	92.2	93.1	93.3
GE 900	70.3	71.8	78.4	79.9	86.1	87.4	89.1	90.6	91.7	92.7	92.9	93.0	93.1	93.3	94.2	94.4
GE 800	70.7	72.1	78.8	80.2	86.6	87.9	89.6	91.1	92.2	93.3	93.6	93.7	93.8	94.0	94.9	95.1
GE 700	71.1	72.6	79.2	80.8	87.1	88.4	90.1	91.8	92.9	94.0	94.2	94.3	94.4	94.8	95.7	95.9
GE 600	71.4	72.9	79.7	81.2	87.6	88.9	90.6	92.2	93.3	94.4	94.7	94.8	94.9	95.2	96.1	96.3
GE 500	71.7	73.1	79.9	81.4	88.0	89.3	91.0	92.8	93.9	95.0	95.2	95.3	95.4	95.8	96.7	96.9
GE 400	71.7	73.1	80.1	81.7	88.2	89.6	91.2	93.0	94.3	95.4	95.7	95.8	96.0	96.3	97.2	97.4
GE 300	71.9	73.3	80.3	81.9	88.7	90.0	91.7	93.4	94.9	96.1	96.3	96.4	96.7	97.0	97.9	98.1
GE 200	71.9	73.3	80.4	82.0	88.8	90.1	91.8	93.6	95.0	96.4	96.7	96.8	97.2	97.9	98.8	99.0
GE 100	71.9	73.3	80.4	82.0	88.8	90.1	91.8	93.9	95.3	96.9	97.1	97.2	97.8	98.4	99.3	99.9
GE 000	71.9	73.3	80.4	82.0	88.8	90.1	91.8	93.9	95.3	96.9	97.1	97.2	97.8	98.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.7	28.9	31.9	33.0	36.6	38.3	40.2	41.1	42.3	43.7	44.1	44.7	44.9	45.3	45.7	47.6
GE 20000	31.9	32.2	35.2	36.4	40.3	42.1	44.1	45.0	46.2	47.6	48.1	48.8	49.0	49.4	49.8	51.7
GE 18000	31.9	32.2	35.2	36.4	40.3	42.1	44.1	45.0	46.2	47.6	48.1	48.8	49.0	49.4	49.8	51.7
GE 16000	31.9	32.2	35.2	36.4	40.3	42.1	44.1	45.0	46.2	47.6	48.1	48.8	49.0	49.4	49.8	51.7
GE 14000	32.3	32.8	35.8	37.0	40.9	42.7	44.7	45.6	46.8	48.1	48.7	49.3	49.6	50.0	50.3	52.2
GE 12000	32.8	33.2	36.2	37.4	41.3	43.1	45.1	46.0	47.2	48.6	49.1	49.8	50.0	50.4	50.8	52.7
GE 10000	34.1	34.6	37.7	38.9	42.9	44.7	47.0	48.0	49.3	50.7	51.2	51.9	52.1	52.6	52.9	54.8
GE 9000	34.8	35.2	38.3	39.6	43.6	45.3	47.8	48.9	50.2	51.6	52.1	52.8	53.0	53.4	53.8	55.7
GE 8000	35.8	36.2	40.0	41.2	45.2	47.0	49.4	50.6	51.9	53.4	54.0	54.7	54.9	55.3	55.7	57.6
GE 7000	36.0	36.4	40.2	41.4	45.4	47.2	49.7	50.8	52.1	53.7	54.2	54.9	55.1	55.6	55.9	57.8
GE 6000	36.1	36.6	40.4	41.7	45.7	47.4	49.9	51.0	52.3	53.9	54.4	55.1	55.3	55.8	56.1	58.0
GE 5000	38.3	38.8	42.9	44.1	48.3	50.2	52.7	53.8	55.1	56.7	57.2	57.9	58.1	58.6	58.9	60.8
GE 4500	40.0	40.6	45.1	46.3	50.6	52.4	55.0	56.2	57.6	59.1	59.7	60.3	60.6	61.0	61.3	63.2
GE 4000	43.7	44.2	49.1	50.6	55.0	57.0	59.7	60.9	62.3	63.9	64.6	65.2	65.4	65.9	66.2	68.1
GE 3500	45.1	45.7	50.7	52.1	56.6	58.6	61.2	62.4	63.9	65.6	66.2	66.9	67.1	67.6	67.9	69.8
GE 3000	47.2	48.0	53.2	54.7	59.3	61.3	64.0	65.3	66.8	68.6	69.2	69.9	70.1	70.7	71.0	72.9
GE 2500	49.7	50.7	56.1	57.6	62.3	64.3	67.0	68.3	69.8	71.6	72.2	72.9	73.1	73.7	74.0	75.9
GE 2000	50.8	51.8	57.4	58.9	63.8	65.9	68.6	70.0	71.4	73.3	74.0	74.7	74.9	75.4	75.8	77.7
GE 1800	51.3	52.3	58.2	59.7	64.6	66.7	69.3	70.8	72.2	74.1	74.8	75.4	75.7	76.2	76.6	78.4
GE 1500	54.8	55.8	62.1	63.9	68.9	71.0	73.8	75.2	76.7	78.6	79.2	79.9	80.1	80.7	81.0	82.9
GE 1200	58.1	59.1	65.6	67.3	72.3	74.6	77.3	78.8	80.2	82.1	82.8	83.4	83.7	84.2	84.6	86.4
GE 1000	60.3	61.3	68.2	70.0	75.2	77.4	80.2	81.8	83.2	85.1	85.8	86.4	86.7	87.2	87.6	89.4
GE 900	60.6	61.6	68.4	70.2	75.4	77.7	80.4	82.1	83.7	85.6	86.2	86.9	87.1	87.7	88.0	89.9
GE 800	61.0	62.0	69.2	71.1	76.3	78.6	81.4	83.2	84.8	86.7	87.3	88.0	88.2	88.8	89.1	91.0
GE 700	61.1	62.2	69.6	71.8	77.2	79.4	82.3	84.1	85.8	87.8	88.4	89.1	89.3	89.9	90.2	92.1
GE 600	61.2	62.3	69.8	72.0	77.4	79.7	82.6	84.3	86.0	88.0	88.9	89.6	89.8	90.3	90.7	92.6
GE 500	61.8	62.9	70.7	73.1	78.6	80.8	83.7	85.4	87.1	89.2	90.1	90.8	91.0	91.6	91.9	93.8
GE 400	61.8	62.9	70.7	73.1	78.6	80.8	83.7	85.4	87.1	89.2	90.1	90.8	91.1	91.7	92.0	93.9
GE 300	62.0	63.1	71.1	73.8	79.7	81.9	84.8	86.6	88.2	90.6	91.4	92.1	92.4	93.0	93.4	95.3
GE 200	62.3	63.4	71.4	74.1	80.0	82.2	85.1	87.1	88.9	91.6	92.4	93.1	93.6	94.3	94.8	97.0
GE 100	62.3	63.4	71.4	74.1	80.0	82.2	85.1	87.2	89.0	91.8	92.8	93.4	94.0	94.9	95.7	99.9
GE 000	62.3	63.4	71.4	74.1	80.0	82.2	85.1	87.2	89.0	91.8	92.8	93.4	94.0	94.9	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.9	14.3	19.6	21.8	26.0	27.5	29.6	31.8	32.7	33.6	34.1	34.7	34.9	35.3	35.7	38.3
GE 20000	15.6	16.0	21.6	23.9	28.4	29.9	32.3	34.5	35.6	36.7	37.5	38.0	38.3	38.6	39.2	42.4
GE 18000	15.7	16.1	21.7	24.0	28.5	30.0	32.4	34.6	35.7	36.8	37.6	38.2	38.4	38.7	39.3	42.5
GE 16000	15.7	16.1	21.7	24.0	28.5	30.0	32.4	34.6	35.7	36.8	37.6	38.2	38.4	38.7	39.3	42.5
GE 14000	15.7	16.1	21.7	24.0	28.5	30.0	32.4	34.6	35.7	36.8	37.7	38.3	38.5	38.8	39.4	42.9
GE 12000	15.9	16.4	21.9	24.4	28.8	30.4	32.8	35.2	36.3	37.4	38.3	38.8	39.0	39.4	40.0	43.7
GE 10000	17.6	18.0	23.9	26.5	31.0	32.6	35.4	37.8	39.0	40.2	41.0	41.6	41.8	42.2	42.8	46.5
GE 9000	17.8	18.2	24.2	26.8	31.4	32.9	35.7	38.2	39.4	40.6	41.5	42.0	42.3	42.6	43.3	46.9
GE 8000	19.4	19.8	26.1	28.7	33.6	35.2	38.0	40.8	42.0	43.3	44.3	44.8	45.1	45.5	46.2	49.8
GE 7000	19.7	20.1	26.5	29.0	33.9	35.5	38.4	41.2	42.4	43.6	44.6	45.2	45.4	45.8	46.5	50.2
GE 6000	19.9	20.4	26.7	29.3	34.1	35.7	38.6	41.4	42.6	43.8	44.8	45.4	45.6	46.1	46.8	50.6
GE 5000	21.4	21.8	28.3	30.8	35.9	37.7	40.7	43.8	45.2	46.4	47.4	47.9	48.2	48.6	49.5	53.3
GE 4500	22.6	23.0	29.7	32.4	37.6	39.4	42.5	45.7	47.1	48.3	49.3	49.8	50.1	50.5	51.4	55.2
GE 4000	24.7	25.1	32.6	35.4	40.7	42.5	45.8	49.1	50.5	51.7	52.7	53.3	53.5	54.1	55.1	59.0
GE 3500	25.7	26.1	33.7	36.5	42.0	43.9	47.3	50.5	52.1	53.3	54.4	54.9	55.2	55.7	56.8	60.8
GE 3000	27.5	27.9	35.7	38.5	44.0	45.9	49.5	52.7	54.4	55.6	56.7	57.3	57.5	58.2	59.3	63.4
GE 2500	29.3	29.7	37.5	40.4	46.3	48.2	51.7	55.2	57.0	58.2	59.3	59.8	60.1	60.7	61.8	66.0
GE 2000	30.6	31.0	39.2	42.3	48.6	50.5	54.2	57.8	59.7	61.3	62.5	63.2	63.4	64.1	65.2	69.3
GE 1800	31.7	32.1	40.7	43.9	50.3	52.2	55.8	59.7	61.6	63.2	64.4	65.1	65.3	66.0	67.1	71.2
GE 1500	34.5	34.9	44.2	47.6	54.2	56.3	60.1	64.0	66.1	67.6	68.9	69.5	69.7	70.4	71.5	75.6
GE 1200	37.3	37.8	47.6	51.1	57.7	60.0	63.7	67.6	69.7	71.4	72.6	73.3	73.5	74.2	75.3	79.4
GE 1000	39.6	40.3	51.2	54.7	61.5	63.7	67.5	71.4	73.5	75.3	75.5	77.2	77.4	78.1	79.2	83.3
GE 900	39.9	40.7	51.9	55.5	62.3	64.5	68.3	72.2	74.3	76.1	77.3	78.0	78.2	78.9	80.0	84.1
GE 800	40.2	40.9	52.6	56.3	63.5	65.7	70.1	74.1	76.3	78.1	79.3	80.0	80.2	80.9	82.0	86.1
GE 700	40.6	41.4	53.4	57.3	64.8	67.1	71.5	75.6	78.2	80.1	81.4	82.2	82.4	83.1	84.2	88.3
GE 600	41.0	41.8	53.8	57.7	65.6	68.3	72.7	76.9	79.6	81.5	82.9	83.6	83.9	84.6	85.8	89.9
GE 500	41.0	41.8	53.8	57.7	65.7	68.7	73.9	78.0	80.8	82.9	84.2	85.1	85.3	86.1	87.2	91.3
GE 400	41.0	41.8	53.9	57.8	66.0	69.1	74.7	79.0	82.1	84.3	85.7	86.5	86.8	87.5	88.7	92.8
GE 300	41.0	41.8	53.9	57.8	66.3	69.5	75.4	79.8	82.9	85.1	86.5	87.4	87.8	88.7	89.9	94.1
GE 200	41.0	41.8	53.9	57.8	66.3	69.6	75.8	80.1	83.3	85.7	87.1	88.0	88.4	89.3	90.9	95.9
GE 100	41.0	41.8	53.9	57.8	66.3	69.6	75.8	80.1	83.3	85.9	87.7	88.7	89.3	90.3	92.4	99.9
GE 000	41.0	41.8	53.9	57.8	66.3	69.6	75.8	80.1	83.3	85.9	87.7	88.7	89.3	90.3	92.4	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.1	19.3	23.9	25.7	29.9	31.8	32.8	33.9	34.0	34.3	34.3	34.3	34.3	34.6	34.7	35.4
GE 20000	22.8	23.1	28.3	30.3	34.9	37.1	38.3	39.7	39.9	40.2	40.2	40.2	40.2	40.4	40.6	41.3
GE 18000	22.8	23.1	28.3	30.3	34.9	37.1	38.3	39.7	39.9	40.2	40.2	40.2	40.2	40.4	40.6	41.3
GE 16000	22.8	23.1	28.3	30.3	34.9	37.1	38.3	39.7	39.9	40.2	40.2	40.2	40.2	40.4	40.6	41.3
GE 14000	22.8	23.1	28.4	30.4	35.1	37.3	38.6	39.9	40.4	40.9	41.0	41.0	41.0	41.2	41.3	42.1
GE 12000	23.4	23.8	29.2	31.2	36.0	38.3	39.8	41.1	41.7	42.1	42.2	42.4	42.4	42.7	42.8	43.6
GE 10000	24.6	24.9	30.6	32.6	37.4	40.1	42.0	43.3	43.9	44.3	44.4	44.7	44.7	44.9	45.0	45.8
GE 9000	25.3	25.7	31.4	33.6	38.4	41.1	43.0	44.3	44.9	45.3	45.4	45.7	45.7	45.9	46.0	46.8
GE 8000	26.1	26.4	32.4	34.9	40.0	43.0	45.1	46.6	47.1	47.6	47.7	47.9	47.9	48.1	48.2	49.0
GE 7000	26.4	26.8	32.8	35.2	40.3	43.3	45.6	47.1	47.7	48.1	48.2	48.4	48.4	48.7	48.8	49.6
GE 6000	26.4	26.8	32.8	35.2	40.3	43.3	45.6	47.1	47.7	48.1	48.2	48.4	48.4	48.8	48.9	49.7
GE 5000	27.2	27.6	33.9	36.3	41.7	44.9	47.2	48.8	49.3	50.0	50.3	50.6	50.6	50.9	51.1	51.9
GE 4500	28.0	28.3	34.7	37.1	42.4	45.7	48.0	49.7	50.2	50.9	51.2	51.4	51.4	51.8	52.0	52.8
GE 4000	30.8	31.1	38.0	40.7	46.2	49.4	51.8	53.4	54.0	54.7	55.0	55.2	55.2	55.6	55.8	56.6
GE 3500	32.9	33.3	40.7	43.3	49.1	52.6	55.0	56.7	57.2	57.9	58.2	58.4	58.4	58.8	59.0	59.8
GE 3000	34.9	35.4	43.2	46.0	51.8	55.6	58.0	59.8	60.6	61.2	61.6	61.8	61.9	62.2	62.4	63.3
GE 2500	37.7	38.2	46.1	49.1	55.1	58.9	61.4	63.2	64.1	64.8	65.1	65.3	65.4	65.8	66.0	66.9
GE 2000	41.9	42.8	51.1	54.4	60.4	64.6	67.3	69.2	70.1	70.8	71.1	71.3	71.4	71.8	72.0	72.9
GE 1800	42.8	43.7	52.6	56.0	62.2	66.3	69.1	71.0	71.9	72.6	72.9	73.1	73.2	73.6	73.8	74.7
GE 1500	46.0	47.0	56.7	60.1	66.3	70.4	73.3	75.3	76.2	76.9	77.2	77.4	77.6	77.9	78.1	79.0
GE 1200	48.8	49.8	59.8	63.7	70.3	74.6	77.8	79.9	80.8	81.6	81.9	82.1	82.2	82.6	82.8	83.7
GE 1000	50.2	51.2	62.4	66.9	73.8	78.2	81.4	83.6	84.4	85.2	85.6	85.8	85.9	86.2	86.4	87.3
GE 900	50.4	51.4	63.3	67.9	74.8	79.2	82.4	84.6	85.4	86.2	86.6	86.8	86.9	87.2	87.4	88.3
GE 800	51.0	52.0	64.6	69.2	76.2	80.8	84.2	86.6	87.4	88.2	88.6	88.8	88.9	89.2	89.4	90.3
GE 700	51.3	52.3	65.1	69.8	77.7	82.2	85.7	88.1	89.1	89.9	90.2	90.4	90.6	90.9	91.1	92.0
GE 600	51.7	52.7	65.8	70.7	78.9	83.6	87.0	89.6	90.7	91.4	91.8	92.0	92.1	92.4	92.7	93.6
GE 500	51.8	52.8	66.3	71.2	79.6	84.7	88.2	90.9	92.2	93.1	93.4	93.7	93.8	94.1	94.3	95.2
GE 400	51.8	52.8	66.4	71.3	79.8	85.0	88.9	91.7	93.2	94.2	94.7	94.9	95.0	95.3	95.6	96.4
GE 300	51.8	52.8	66.4	71.3	79.9	85.1	89.1	92.0	93.7	95.1	95.8	96.0	96.1	96.4	96.9	97.8
GE 200	51.8	52.8	66.4	71.3	79.9	85.1	89.1	92.2	93.9	95.4	96.2	96.6	96.7	97.0	97.8	98.9
GE 100	51.8	52.8	66.4	71.3	79.9	85.1	89.1	92.3	94.0	95.6	96.4	96.8	97.0	97.4	98.3	99.9
GE 000	51.8	52.8	66.4	71.3	79.9	85.1	89.1	92.3	94.0	95.6	96.4	96.8	97.0	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.0	27.8	31.4	33.2	34.0	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 20000	32.8	33.6	37.8	39.6	40.3	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 18000	32.9	33.7	37.9	39.7	40.4	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 16000	32.9	33.7	37.9	39.7	40.4	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 14000	32.9	33.7	37.9	39.7	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 12000	33.8	34.6	38.9	40.7	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 10000	35.9	36.8	41.8	43.6	44.6	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 9000	36.3	37.2	42.2	44.0	45.2	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 8000	37.6	38.6	44.0	45.8	47.2	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 7000	37.7	38.7	44.1	45.9	47.3	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 6000	37.9	39.0	44.4	46.2	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 5000	40.0	41.1	46.8	48.8	51.0	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 4500	41.0	42.1	47.9	49.9	52.3	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 4000	44.0	45.2	51.0	53.2	55.8	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 3500	47.8	49.1	55.1	57.3	60.0	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 3000	54.4	56.1	62.3	64.7	67.6	67.8	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 2500	62.3	64.1	70.6	72.9	75.8	76.0	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 2000	66.0	67.9	74.7	77.2	80.3	80.8	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 1800	67.3	69.3	76.2	78.8	81.9	82.3	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 1500	70.4	72.7	80.1	82.7	86.3	87.2	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1200	71.7	73.9	82.2	85.2	89.0	90.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1000	72.4	74.8	83.3	86.4	90.4	91.7	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	73.0	75.3	84.3	87.4	91.7	92.9	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	73.3	75.7	85.2	88.4	93.0	94.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	73.4	75.8	85.3	88.6	93.3	94.9	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	73.6	75.9	85.7	88.9	93.9	95.4	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	73.8	76.1	86.4	89.7	94.9	96.6	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	73.8	76.1	86.4	89.7	94.9	96.7	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	73.8	76.1	86.4	89.7	94.9	97.0	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	73.8	76.1	86.4	89.7	94.9	97.0	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	73.8	76.1	86.4	89.7	95.0	97.1	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	73.8	76.1	86.4	89.7	95.0	97.1	99.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CRIL	34.3	35.1	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 20000	40.9	41.8	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 18000	40.9	41.8	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 16000	40.9	41.8	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 14000	41.0	41.9	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 12000	42.4	43.3	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 10000	45.4	46.4	48.7	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 9000	46.3	47.3	49.7	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 8000	48.6	49.7	52.4	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 7000	49.7	50.8	53.7	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 6000	50.8	51.9	54.8	54.9	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 5000	55.0	56.1	59.2	59.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 4500	56.8	58.0	61.2	61.6	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 4000	62.2	63.4	67.0	67.6	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3500	66.9	68.2	72.1	72.8	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3000	71.2	72.6	77.1	78.0	79.6	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
GE 2500	74.7	76.2	81.4	82.4	84.1	84.3	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6
GE 2000	78.0	79.6	85.2	86.4	88.3	88.6	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
GE 1800	78.7	80.2	85.9	87.1	89.1	89.3	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 1500	80.1	81.7	87.9	89.2	91.3	91.7	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 1200	81.1	82.8	89.3	90.7	92.9	93.2	93.4	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000	81.8	83.4	90.4	91.9	94.1	94.4	94.8	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	81.9	83.6	90.6	92.0	94.6	94.9	95.3	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	82.1	83.9	90.9	92.3	95.0	95.4	95.9	96.2	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	82.3	84.1	91.2	92.7	95.9	96.3	96.9	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	82.4	84.2	91.8	93.2	96.4	96.9	97.4	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	82.4	84.2	91.8	93.2	96.6	97.1	97.9	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	82.4	84.2	91.8	93.2	96.8	97.4	98.3	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	82.4	84.2	91.8	93.2	96.8	97.6	98.4	99.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	82.4	84.2	91.9	93.3	96.9	97.7	98.8	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.4	84.2	91.9	93.3	96.9	97.7	98.8	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.4	84.2	91.9	93.3	96.9	97.7	98.8	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.6	38.6	41.0	41.6	41.8	41.9	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 20000	43.9	45.0	47.9	48.4	49.1	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 18000	43.9	45.0	47.9	48.4	49.1	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 16000	44.2	45.3	48.2	48.8	49.4	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000	44.6	45.7	48.6	49.1	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 12000	46.1	47.2	50.4	51.0	51.9	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 10000	49.0	50.1	53.4	54.0	55.0	55.2	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 9000	50.2	51.3	54.8	55.4	56.6	56.8	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 8000	52.8	53.9	57.8	58.6	59.9	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 7000	53.8	54.9	58.8	59.6	60.9	61.1	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 6000	54.3	55.4	59.3	60.1	61.6	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 5000	57.8	58.9	62.9	63.8	65.4	65.8	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4500	59.8	60.9	65.0	65.9	67.6	67.9	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4000	65.1	66.3	70.8	71.9	73.7	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	67.2	68.6	73.4	74.7	76.4	76.8	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3000	70.7	72.0	77.3	78.6	80.6	80.9	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2500	74.3	75.7	81.7	83.1	85.1	85.4	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	77.6	79.0	85.6	87.0	89.1	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1800	78.2	79.8	86.3	87.8	89.9	90.2	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1500	79.3	80.9	88.1	89.6	91.8	92.1	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1200	79.9	81.4	88.9	90.6	92.9	93.2	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	80.1	81.7	89.3	91.1	93.4	93.9	94.7	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 900	80.4	82.0	89.8	91.8	94.3	94.8	95.6	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 800	80.6	82.1	90.1	92.1	94.7	95.1	96.0	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	80.6	82.1	90.1	92.2	95.1	95.6	96.7	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	81.1	82.7	91.0	93.1	96.0	96.4	97.6	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	81.1	82.7	91.4	93.6	96.4	97.0	98.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	81.1	82.7	91.4	93.6	96.4	97.0	98.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	81.1	82.7	91.4	93.6	96.4	97.1	98.3	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	81.1	82.7	91.4	93.7	96.6	97.2	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	81.1	82.7	91.4	93.7	96.6	97.2	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 000	81.1	82.7	91.4	93.7	96.6	97.2	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITSBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.9	42.4	44.7	45.4	46.9	47.3	47.7	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	47.2	47.8	50.6	51.3	53.6	54.0	54.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 18000	47.3	47.9	50.7	51.4	53.7	54.1	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 16000	47.3	47.9	50.7	51.4	53.7	54.1	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 14000	47.4	48.0	50.8	51.6	53.8	54.2	54.9	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	48.1	48.7	51.6	52.3	54.6	55.0	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 10000	50.3	50.9	53.8	54.6	57.0	57.6	58.2	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 9000	52.0	52.6	55.4	56.2	58.7	59.2	59.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 8000	55.4	56.1	59.0	59.9	62.6	63.3	64.2	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 7000	55.4	56.1	59.0	59.9	62.6	63.3	64.2	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	56.0	56.7	59.6	60.4	63.1	63.9	64.8	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	59.2	59.9	62.9	63.8	66.4	67.2	68.1	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4500	60.9	61.7	64.7	65.7	68.3	69.2	70.1	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4000	66.3	67.1	70.1	71.1	73.8	74.8	75.7	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 3500	69.7	70.4	73.4	74.6	77.3	78.3	79.2	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3000	71.9	72.7	76.2	77.4	80.4	81.4	82.3	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2500	74.3	75.1	79.3	80.6	83.6	84.6	85.6	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	77.7	78.7	83.2	84.4	87.6	88.6	89.6	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1800	78.3	79.3	83.9	85.1	88.2	89.2	90.2	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	80.3	81.3	86.3	87.8	91.2	92.2	93.2	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	80.7	81.7	86.8	88.2	91.8	92.8	93.9	94.7	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
GE 1000	80.9	81.9	87.2	88.7	92.6	93.6	94.7	95.4	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8
GE 900	81.1	82.1	87.4	88.9	92.8	93.8	94.9	95.7	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
GE 800	81.4	82.4	87.9	89.3	93.3	94.3	95.4	96.1	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7
GE 700	81.7	82.7	88.1	89.9	94.0	95.0	96.1	97.0	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3
GE 600	81.7	82.7	88.6	90.3	94.4	95.6	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
GE 500	81.8	82.8	88.9	90.7	94.8	95.9	97.4	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
GE 400	81.8	82.8	89.1	90.9	95.0	96.1	97.8	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
GE 300	81.8	82.8	89.1	90.9	95.1	96.2	97.9	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 200	81.8	82.8	89.1	90.9	95.1	96.2	97.9	98.8	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
GE 100	81.8	82.8	89.1	90.9	95.1	96.2	97.9	98.9	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	81.8	82.8	89.1	90.9	95.1	96.2	97.9	98.9	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.7	30.3	33.5	34.6	36.9	37.7	38.5	39.2	39.6	40.0	40.1	40.3	40.4	40.5	40.7	41.4
GE 20000	34.3	34.9	38.6	39.8	42.4	43.2	44.1	44.8	45.3	45.7	45.9	46.1	46.2	46.3	46.5	47.3
GE 18000	34.3	35.0	38.6	39.8	42.4	43.3	44.2	44.9	45.3	45.8	46.0	46.1	46.2	46.3	46.6	47.3
GE 16000	34.4	35.0	38.7	39.8	42.4	43.3	44.2	44.9	45.4	45.8	46.0	46.2	46.2	46.4	46.6	47.4
GE 14000	34.5	35.2	38.9	40.0	42.6	43.5	44.4	45.1	45.6	46.1	46.3	46.5	46.5	46.7	46.9	47.7
GE 12000	35.4	36.0	39.8	41.0	43.7	44.6	45.5	46.2	46.7	47.2	47.4	47.6	47.7	47.8	48.0	48.9
GE 10000	37.4	38.1	42.1	43.3	46.1	47.1	48.3	49.0	49.5	50.0	50.2	50.4	50.5	50.6	50.9	51.7
GE 9000	38.3	39.0	43.1	44.3	47.2	48.2	49.4	50.1	50.6	51.1	51.3	51.5	51.6	51.7	52.0	52.8
GE 8000	40.2	40.9	45.3	46.6	49.7	50.7	52.0	52.8	53.4	53.9	54.1	54.3	54.4	54.5	54.8	55.6
GE 7000	40.5	41.3	45.7	47.0	50.1	51.1	52.4	53.3	53.8	54.3	54.6	54.8	54.8	55.0	55.2	56.0
GE 6000	40.9	41.7	46.1	47.5	50.5	51.6	52.9	53.7	54.2	54.8	55.0	55.2	55.3	55.4	55.7	56.5
GE 5000	43.4	44.1	48.7	50.1	53.4	54.6	55.9	56.8	57.4	57.9	58.2	58.4	58.4	58.6	58.9	59.7
GE 4500	44.9	45.7	50.4	51.8	55.2	56.4	57.8	58.7	59.3	59.8	60.1	60.3	60.3	60.5	60.8	61.6
GE 4000	49.0	49.9	54.9	56.5	60.0	61.3	62.7	63.6	64.2	64.8	65.0	65.2	65.3	65.5	65.8	66.6
GE 3500	51.6	52.5	57.7	59.4	63.0	64.3	65.7	66.6	67.3	67.8	68.1	68.3	68.4	68.6	68.9	69.8
GE 3000	54.7	55.7	61.3	63.0	66.8	68.1	69.7	70.7	71.3	71.9	72.2	72.4	72.5	72.7	73.0	73.9
GE 2500	58.1	59.2	65.2	67.0	71.0	72.3	73.8	74.9	75.6	76.1	76.5	76.6	76.7	77.0	77.3	78.2
GE 2000	61.0	62.1	68.5	70.4	74.6	76.0	77.6	78.7	79.4	80.1	80.4	80.6	80.7	80.9	81.2	82.1
GE 1800	61.9	63.1	69.6	71.5	75.7	77.1	78.7	79.9	80.6	81.2	81.6	81.8	81.9	82.1	82.4	83.3
GE 1500	64.2	65.4	72.5	74.6	79.0	80.6	82.3	83.4	84.2	84.8	85.1	85.3	85.4	85.6	86.0	86.8
GE 1200	65.8	67.1	74.6	76.8	81.3	82.9	84.7	86.0	86.7	87.4	87.7	87.9	88.0	88.3	88.6	89.5
GE 1000	66.9	68.2	76.2	78.6	83.3	85.0	86.8	88.2	88.9	89.6	89.9	90.1	90.2	90.5	90.8	91.7
GE 900	67.2	68.6	76.8	79.2	84.0	85.7	87.5	88.9	89.7	90.4	90.7	90.9	91.0	91.2	91.6	92.4
GE 800	67.5	68.9	77.4	79.9	84.8	86.5	88.5	90.0	90.8	91.5	91.8	92.1	92.1	92.4	92.7	93.6
GE 700	67.8	69.1	77.8	80.4	85.7	87.4	89.5	91.0	91.8	92.6	92.9	93.2	93.2	93.5	93.8	94.7
GE 600	68.0	69.4	78.3	80.9	86.3	88.1	90.2	91.8	92.7	93.4	93.8	94.0	94.1	94.4	94.7	95.6
GE 500	68.2	69.6	78.7	81.3	86.8	88.8	91.1	92.7	93.7	94.5	94.8	95.1	95.2	95.4	95.7	96.6
GE 400	68.2	69.6	78.7	81.4	87.0	89.0	91.4	93.1	94.1	95.0	95.4	95.6	95.7	96.0	96.3	97.2
GE 300	68.2	69.6	78.8	81.5	87.2	89.3	91.8	93.5	94.6	95.6	96.0	96.3	96.4	96.7	97.0	97.9
GE 200	68.3	69.6	78.9	81.6	87.3	89.4	92.0	93.7	94.9	96.0	96.4	96.7	96.9	97.2	97.7	98.7
GE 100	68.3	69.6	78.9	81.6	87.3	89.4	92.0	93.9	95.0	96.2	96.7	97.0	97.2	97.6	98.2	99.9
GE 000	68.3	69.6	78.9	81.6	87.3	89.4	92.0	93.9	95.0	96.2	96.7	97.0	97.2	97.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7199



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.3	25.7	28.8	29.9	33.7	34.9	35.7	36.9	37.8	38.8	39.1	39.2	39.5	39.9	40.5	41.8
GE 20000	28.0	28.4	31.5	32.9	36.8	38.1	39.2	40.4	41.4	42.5	42.9	43.1	43.4	43.9	44.5	45.9
GE 18000	28.0	28.4	31.6	33.0	36.9	38.2	39.3	40.5	41.6	42.6	43.1	43.2	43.5	44.0	44.6	46.0
GE 16000	28.0	28.4	31.6	33.0	36.9	38.2	39.3	40.5	41.6	42.6	43.1	43.2	43.5	44.0	44.6	46.0
GE 14000	28.0	28.4	31.6	33.0	36.9	38.2	39.3	40.5	41.6	42.6	43.1	43.2	43.5	44.0	44.6	46.0
GE 12000	28.1	28.5	31.8	33.2	37.0	38.3	39.4	40.6	41.7	42.7	43.2	43.3	43.6	44.1	44.7	46.1
GE 10000	29.2	29.6	33.0	34.4	38.5	39.8	40.9	42.1	43.2	44.2	44.7	44.8	45.1	45.6	46.2	47.6
GE 9000	29.9	30.4	33.8	35.3	39.4	40.7	41.8	42.9	44.0	45.2	45.6	45.7	46.1	46.6	47.1	48.5
GE 8000	30.5	30.9	34.3	36.1	40.5	42.0	43.2	44.3	45.5	46.7	47.1	47.3	47.6	48.1	48.7	50.1
GE 7000	30.6	31.0	34.4	36.2	40.6	42.1	43.3	44.6	45.9	47.0	47.5	47.6	47.9	48.4	49.0	50.4
GE 6000	30.6	31.0	34.4	36.2	40.6	42.1	43.3	44.7	46.1	47.3	47.7	47.8	48.1	48.7	49.2	50.6
GE 5000	31.2	31.6	35.1	36.8	41.2	42.8	44.1	45.5	46.9	48.1	48.5	48.7	49.0	49.5	50.1	51.6
GE 4500	31.5	32.1	35.5	37.2	41.8	43.4	44.7	46.1	47.6	48.8	49.2	49.3	49.6	50.2	50.7	52.2
GE 4000	35.1	35.6	39.6	41.6	46.7	48.5	50.1	51.6	53.1	54.4	54.8	54.9	55.2	55.8	56.3	57.9
GE 3500	37.1	37.7	42.2	44.2	49.9	51.8	53.4	54.9	56.4	57.7	58.1	58.2	58.6	59.1	59.6	61.2
GE 3000	39.4	39.9	45.2	47.3	53.0	54.8	56.6	58.1	59.6	60.9	61.4	61.5	61.8	62.3	62.9	64.5
GE 2500	41.8	42.3	48.2	50.4	56.2	58.0	59.8	61.4	62.9	64.2	64.6	64.7	65.0	65.6	66.1	67.7
GE 2000	43.9	44.5	50.8	53.2	59.5	61.4	63.4	64.9	66.4	67.7	68.1	68.2	68.6	69.1	69.6	71.3
GE 1800	44.8	45.3	51.7	54.0	60.4	62.2	64.3	65.8	67.3	68.6	69.0	69.1	69.4	70.0	70.5	72.1
GE 1500	48.9	49.5	56.1	58.6	65.0	66.8	69.0	70.5	72.0	73.3	73.7	73.8	74.2	74.7	75.2	76.9
GE 1200	51.3	52.0	59.0	61.6	68.0	70.0	72.2	74.0	75.5	76.9	77.3	77.4	77.7	78.3	78.8	80.4
GE 1000	53.3	53.9	61.7	64.5	71.3	73.2	75.5	77.3	78.8	80.2	80.6	80.7	81.1	81.6	82.1	83.7
GE 900	53.5	54.1	62.1	64.9	71.8	73.7	76.0	77.8	79.3	80.8	81.3	81.4	81.7	82.2	82.8	84.4
GE 800	54.5	55.1	63.7	66.6	74.0	76.1	78.5	80.3	81.8	83.3	83.7	84.0	84.3	84.8	85.4	87.0
GE 700	55.1	55.8	64.5	67.6	75.2	77.4	79.9	81.7	83.4	84.9	85.6	85.8	86.1	86.7	87.2	88.8
GE 600	55.5	56.2	64.9	68.2	76.2	78.4	80.8	82.9	84.6	86.1	86.9	87.1	87.4	87.9	88.5	90.1
GE 500	55.7	56.3	65.4	69.0	77.4	79.7	82.1	84.8	86.5	88.2	88.9	89.1	89.5	90.0	90.5	92.1
GE 400	55.9	56.6	65.8	69.4	78.3	80.5	83.1	85.9	88.2	89.8	90.6	90.9	91.2	91.7	92.2	93.9
GE 300	55.9	56.6	65.8	69.6	79.0	81.3	84.0	87.2	89.5	91.1	91.9	92.1	92.5	93.1	93.8	95.4
GE 200	55.9	56.6	65.8	69.8	79.3	81.6	84.4	87.6	89.9	91.5	92.4	92.6	92.9	93.8	94.8	96.6
GE 100	55.9	56.6	65.8	69.8	79.3	81.6	84.4	88.1	90.4	92.2	93.1	93.3	93.6	94.6	95.9	99.8
GE 000	55.9	56.6	65.8	69.8	79.3	81.6	84.4	88.1	90.4	92.2	93.1	93.3	93.6	94.6	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.2	17.8	19.9	21.0	24.7	25.3	26.5	27.4	28.3	29.4	29.6	29.7	30.2	30.6	30.9	33.2
GE 20000	18.8	19.5	21.9	23.4	27.3	28.0	29.2	30.1	31.0	32.2	32.4	32.5	33.0	33.4	33.7	36.1
GE 18000	18.8	19.5	22.0	23.5	27.4	28.1	29.3	30.2	31.1	32.3	32.5	32.6	33.2	33.5	33.8	36.2
GE 16000	18.8	19.5	22.0	23.5	27.4	28.1	29.3	30.2	31.1	32.3	32.5	32.6	33.2	33.5	33.8	36.2
GE 14000	18.8	19.5	22.0	23.5	27.4	28.1	29.3	30.2	31.1	32.3	32.5	32.6	33.2	33.5	33.8	36.2
GE 12000	19.6	20.2	22.7	24.2	28.2	28.8	30.0	31.0	31.9	33.3	33.5	33.6	34.1	34.4	34.8	37.1
GE 10000	20.3	21.0	23.7	25.3	29.7	30.4	31.5	32.5	33.4	34.8	35.0	35.1	35.6	36.0	36.3	38.6
GE 9000	20.9	21.5	24.4	26.0	30.7	31.3	32.5	33.6	34.4	35.8	36.1	36.2	36.7	37.0	37.4	39.7
GE 8000	22.3	22.9	25.9	27.6	32.7	33.4	34.9	36.2	37.5	38.9	39.1	39.2	39.7	40.0	40.4	42.7
GE 7000	22.4	23.0	26.2	27.8	32.9	33.6	35.1	36.4	37.7	39.1	39.3	39.4	39.9	40.3	40.6	42.9
GE 6000	22.4	23.0	26.2	27.8	32.9	33.6	35.1	36.4	37.7	39.1	39.3	39.4	39.9	40.3	40.6	42.9
GE 5000	22.9	23.6	26.8	28.5	33.7	34.3	36.0	37.2	38.5	39.9	40.2	40.3	40.8	41.1	41.4	43.8
GE 4500	23.9	24.5	28.0	29.7	34.9	35.5	37.1	38.4	39.7	41.1	41.3	41.4	42.0	42.3	42.6	45.0
GE 4000	26.6	27.3	31.4	33.3	38.6	39.4	41.3	42.8	44.1	45.6	46.0	46.1	46.6	46.9	47.3	49.6
GE 3500	28.0	28.7	32.9	34.8	40.4	41.2	43.2	44.8	46.1	47.6	47.9	48.1	48.8	49.1	49.4	51.8
GE 3000	30.1	31.0	35.4	37.4	43.1	44.0	46.0	47.7	49.0	50.7	51.0	51.2	51.9	52.2	52.7	55.1
GE 2500	32.1	33.3	38.5	40.5	46.3	47.4	49.3	51.0	52.3	54.0	54.4	54.6	55.2	55.5	56.1	58.4
GE 2000	35.2	36.6	42.5	44.5	50.4	51.6	53.5	55.3	56.7	58.6	58.9	59.1	59.7	60.1	60.6	63.0
GE 1800	36.1	37.5	43.4	45.3	51.3	52.5	54.6	56.4	57.8	59.6	60.0	60.2	60.8	61.1	61.7	64.0
GE 1500	39.0	40.5	46.9	49.2	55.9	57.3	59.3	61.2	62.6	64.5	64.8	65.0	65.7	66.0	66.5	68.9
GE 1200	40.5	42.0	48.9	51.1	57.9	59.6	61.9	63.9	65.3	67.2	67.5	67.7	68.4	68.7	69.2	71.6
GE 1000	42.1	43.6	51.2	53.6	60.9	62.6	64.9	67.3	68.7	70.6	70.9	71.2	71.8	72.1	72.7	75.1
GE 900	42.7	44.2	51.9	54.3	61.7	63.4	65.9	68.2	69.8	71.7	72.0	72.2	72.9	73.2	73.7	76.2
GE 800	43.6	45.1	53.1	55.5	63.3	65.0	67.5	70.0	71.5	73.4	73.7	74.0	74.6	74.9	75.5	77.9
GE 700	45.6	47.3	55.7	58.2	66.2	68.0	70.5	73.3	74.8	76.9	77.2	77.4	78.0	78.4	78.9	81.4
GE 600	46.4	48.1	56.6	59.7	68.2	70.1	72.7	75.6	77.2	79.2	79.8	80.0	80.6	80.9	81.5	84.0
GE 500	47.0	48.8	57.9	61.2	70.2	72.2	74.9	78.1	79.8	81.9	82.5	82.7	83.3	83.6	84.2	86.7
GE 400	47.0	48.8	58.0	61.7	71.3	73.3	76.1	79.7	81.5	83.6	84.3	84.5	85.1	85.6	86.1	88.6
GE 300	47.0	48.8	58.0	62.0	72.1	74.2	77.1	80.7	82.7	85.1	85.9	86.1	86.8	87.3	87.8	91.0
GE 200	47.0	48.8	58.0	62.0	72.3	74.4	77.3	81.2	83.1	85.8	86.5	86.8	87.4	87.9	88.6	93.4
GE 100	47.0	48.8	58.1	62.1	72.4	74.5	77.4	81.4	83.5	86.4	87.3	87.7	88.4	88.9	90.1	99.5
GE 000	47.0	48.8	58.1	62.1	72.4	74.5	77.4	81.4	83.5	86.5	87.4	87.8	88.5	89.0	90.2	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.6	12.9	14.5	15.5	18.9	20.2	20.8	21.5	22.4	23.2	23.7	24.0	24.4	24.6	25.1	27.8
GE 20000	13.8	14.1	16.0	17.2	21.0	22.7	23.3	24.1	25.2	26.3	26.8	27.1	27.6	27.8	28.4	31.7
GE 18000	13.8	14.1	16.0	17.2	21.0	22.7	23.3	24.1	25.2	26.3	26.8	27.1	27.6	27.8	28.4	31.7
GE 16000	13.8	14.1	16.0	17.2	21.0	22.7	23.3	24.1	25.2	26.3	26.8	27.1	27.6	27.8	28.4	31.7
GE 14000	13.8	14.1	16.1	17.3	21.1	22.8	23.4	24.2	25.3	26.5	26.9	27.2	27.7	28.0	28.5	31.8
GE 12000	13.9	14.2	16.2	17.4	21.3	23.0	23.8	24.5	25.7	27.0	27.4	27.7	28.3	28.5	29.0	32.4
GE 10000	14.7	15.1	17.2	18.5	22.4	24.1	24.8	25.8	27.2	28.5	28.9	29.2	29.8	30.0	30.5	33.9
GE 9000	15.3	15.6	17.7	19.1	23.1	24.9	25.7	26.8	28.2	29.5	29.9	30.2	30.8	31.0	31.5	34.8
GE 8000	16.3	16.7	18.9	20.5	24.7	26.6	27.4	28.8	30.2	31.6	32.2	32.5	33.0	33.2	33.9	37.3
GE 7000	16.5	16.8	19.0	20.6	24.8	26.7	27.6	29.1	30.5	31.9	32.5	32.8	33.3	33.5	34.2	37.6
GE 6000	16.8	17.1	19.4	21.0	25.2	27.1	28.2	29.7	31.2	32.6	33.1	33.4	34.0	34.2	34.8	38.3
GE 5000	17.3	17.6	19.9	21.5	25.8	27.7	28.8	30.4	31.9	33.4	34.0	34.3	34.8	35.1	35.7	39.1
GE 4500	17.6	18.0	20.6	22.3	26.6	28.7	29.8	31.5	33.0	34.5	35.1	35.4	35.9	36.1	36.8	40.3
GE 4000	19.9	20.2	23.4	25.2	29.7	32.0	33.3	35.1	36.7	38.3	38.9	39.2	39.8	40.0	40.8	44.3
GE 3500	20.9	21.3	24.8	26.7	31.4	33.8	35.1	36.8	38.4	40.0	40.6	41.0	41.5	41.7	42.5	46.0
GE 3000	22.9	23.4	27.4	29.4	34.3	36.9	38.2	39.9	41.5	43.1	43.8	44.1	44.6	44.8	45.6	49.2
GE 2500	23.9	24.4	28.5	30.6	35.9	38.5	39.9	41.7	43.3	44.9	45.6	45.9	46.5	46.7	47.4	51.1
GE 2000	26.6	27.1	31.4	33.7	39.5	42.2	43.5	45.4	47.1	48.7	49.4	49.8	50.3	50.5	51.3	55.1
GE 1800	27.6	28.2	32.7	34.9	40.8	43.4	44.9	46.8	48.5	50.1	50.8	51.2	51.7	51.9	52.7	56.5
GE 1500	31.0	31.6	37.2	39.6	46.0	48.7	50.3	52.2	53.9	55.6	56.2	56.7	57.2	57.5	58.3	62.0
GE 1200	32.9	33.5	39.5	42.3	49.1	51.8	53.5	55.5	57.2	58.9	59.6	60.0	60.5	60.9	61.6	65.5
GE 1000	34.9	35.6	41.9	44.8	51.8	54.6	56.5	58.5	60.2	61.9	62.6	63.0	63.5	63.9	64.6	68.5
GE 900	35.6	36.3	43.0	46.0	53.1	56.0	57.8	59.9	61.6	63.3	64.0	64.4	64.9	65.3	66.0	69.9
GE 800	36.6	37.3	44.2	47.2	54.7	57.6	59.6	61.7	63.4	65.3	65.9	66.3	66.9	67.2	68.0	71.9
GE 700	38.1	38.8	46.3	49.8	58.4	61.5	63.7	65.9	67.7	69.6	70.3	70.9	71.4	71.7	72.5	76.5
GE 600	38.2	38.9	47.0	50.9	60.4	63.5	66.1	68.6	70.9	72.7	73.4	74.1	74.6	74.9	75.7	79.7
GE 500	39.2	40.1	48.6	52.9	63.2	66.6	69.2	72.2	74.6	76.5	77.3	78.0	78.5	78.8	79.6	83.5
GE 400	39.5	40.3	49.1	53.5	64.2	67.5	70.5	73.9	76.5	78.6	79.6	80.2	80.9	81.3	82.0	86.0
GE 300	39.5	40.3	49.1	53.8	65.2	68.7	71.7	75.5	78.2	80.4	81.4	82.0	82.7	83.3	84.1	88.3
GE 200	39.5	40.3	49.4	54.1	65.5	69.0	72.0	76.0	78.8	81.3	82.6	83.4	84.3	84.9	86.5	92.6
GE 100	39.5	40.3	49.5	54.3	65.7	69.2	72.3	76.2	79.0	81.8	83.3	84.4	85.4	86.3	88.3	99.6
GE 000	39.5	40.3	49.5	54.3	65.7	69.2	72.3	76.2	79.0	81.9	83.4	84.5	85.5	86.5	88.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.3	10.3	13.9	15.2	17.7	18.2	18.9	20.0	20.2	20.5	20.8	20.9	21.1	21.4	21.5	22.5
GE 20000	11.5	11.5	16.1	18.1	21.0	21.7	22.5	23.8	24.0	24.3	24.5	24.6	24.8	25.3	25.4	27.3
GE 18000	11.5	11.5	16.1	18.1	21.0	21.7	22.5	23.8	24.0	24.3	24.5	24.6	24.8	25.3	25.4	27.3
GE 16000	11.5	11.5	16.1	18.1	21.0	21.7	22.5	23.8	24.0	24.3	24.5	24.6	24.8	25.3	25.4	27.3
GE 14000	11.6	11.6	16.2	18.2	21.1	21.8	22.7	24.2	24.4	24.7	24.9	25.1	25.3	25.7	25.8	27.7
GE 12000	11.9	11.9	16.8	18.7	21.7	22.6	23.4	24.9	25.2	25.5	25.7	25.8	26.0	26.5	26.6	28.5
GE 10000	13.2	13.2	18.4	20.3	23.7	24.7	25.6	27.1	27.4	27.7	28.0	28.1	28.3	28.7	28.8	30.8
GE 9000	14.0	14.0	19.2	21.2	24.9	26.0	27.0	28.6	28.9	29.2	29.5	29.6	29.8	30.2	30.3	32.3
GE 8000	14.9	14.9	20.4	22.5	26.5	27.6	28.6	30.3	30.6	31.0	31.2	31.3	31.5	31.9	32.0	34.0
GE 7000	15.3	15.3	20.8	22.8	26.8	28.0	28.9	30.6	31.0	31.4	31.6	31.7	31.9	32.4	32.5	34.4
GE 6000	15.4	15.4	20.9	23.0	27.1	28.3	29.4	31.1	31.4	31.8	32.0	32.2	32.4	32.8	32.9	34.8
GE 5000	16.1	16.1	21.6	23.8	28.0	29.1	30.2	31.9	32.3	32.8	33.0	33.1	33.3	33.8	33.9	35.8
GE 4500	16.7	16.9	22.7	25.1	29.4	30.5	31.6	33.4	33.8	34.3	34.5	34.6	34.8	35.3	35.5	37.7
GE 4000	17.8	18.1	24.4	27.0	31.7	32.9	34.0	35.9	36.2	36.9	37.1	37.2	37.4	37.8	38.1	40.3
GE 3500	19.0	19.4	25.7	28.3	33.2	34.4	35.5	37.4	37.7	38.5	38.7	38.8	39.0	39.5	39.7	41.9
GE 3000	21.6	22.0	28.8	31.4	36.7	37.8	39.1	41.1	41.4	42.3	42.5	42.6	42.8	43.2	43.5	45.8
GE 2500	23.4	24.0	30.9	33.7	39.4	40.5	41.8	43.8	44.1	44.9	45.2	45.3	45.5	45.9	46.2	48.5
GE 2000	26.0	26.7	34.4	37.4	43.5	44.8	46.1	48.1	48.4	49.5	49.7	49.8	50.0	50.4	50.8	53.0
GE 1800	26.6	27.2	35.1	38.1	44.2	45.6	46.9	48.8	49.1	50.2	50.4	50.5	50.8	51.2	51.5	53.8
GE 1500	31.1	31.9	40.3	43.8	50.4	52.0	53.3	55.4	55.7	56.9	57.1	57.2	57.5	58.0	58.3	60.5
GE 1200	33.9	35.1	43.9	47.8	55.1	56.8	58.3	60.4	60.8	61.9	62.2	62.3	62.6	63.2	63.5	65.8
GE 1000	35.4	36.6	45.7	50.0	57.4	59.1	60.9	63.0	63.3	64.5	64.7	64.8	65.2	65.8	66.2	68.5
GE 900	36.8	38.0	47.3	51.7	59.2	61.3	63.1	65.3	65.6	66.8	67.0	67.1	67.4	68.1	68.5	70.8
GE 800	37.7	38.9	49.1	53.7	61.7	63.8	66.1	68.3	68.6	70.1	70.3	70.4	70.8	71.4	71.8	74.1
GE 700	38.9	40.1	51.0	55.7	64.4	66.8	69.9	72.5	72.8	74.3	74.5	74.6	74.9	75.6	76.0	78.3
GE 600	39.1	40.3	51.9	57.0	66.5	69.0	72.8	75.7	76.1	77.7	78.0	78.1	78.4	79.0	79.5	81.7
GE 500	39.7	40.9	53.0	58.1	68.2	70.9	74.9	78.8	79.5	81.2	81.5	81.6	82.0	82.7	83.1	85.4
GE 400	39.7	40.9	53.0	58.1	68.6	71.5	75.8	80.1	81.1	83.1	83.5	83.7	84.1	84.7	85.3	87.7
GE 300	39.8	41.0	53.1	58.3	69.1	72.3	76.7	81.5	82.7	85.8	86.2	86.7	87.2	88.0	88.8	91.7
GE 200	39.8	41.0	53.1	58.3	69.1	72.5	77.0	81.9	83.1	86.6	87.1	87.7	88.5	89.6	90.8	95.4
GE 100	39.8	41.0	53.1	58.3	69.1	72.5	77.0	81.9	83.1	87.0	87.6	88.6	89.7	91.1	92.8	99.7
GE 000	39.8	41.0	53.1	58.3	69.1	72.5	77.0	81.9	83.1	87.0	87.6	88.6	89.7	91.1	92.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.3	16.5	21.7	22.9	24.8	25.7	26.0	26.0	26.0	26.1	26.1	26.1	26.1	26.1	26.1	26.2
GE 20000	19.9	20.1	26.2	27.4	29.4	30.3	30.6	30.8	30.8	31.0	31.0	31.0	31.0	31.0	31.1	31.2
GE 18000	19.9	20.1	26.2	27.4	29.4	30.3	30.6	30.8	30.8	31.0	31.0	31.0	31.0	31.0	31.1	31.2
GE 16000	19.9	20.1	26.2	27.4	29.4	30.3	30.6	30.8	30.8	31.0	31.0	31.0	31.0	31.0	31.1	31.2
GE 14000	20.1	20.3	26.6	27.7	29.8	30.8	31.1	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.5	31.6
GE 12000	20.6	20.9	27.2	28.4	30.4	31.4	31.7	31.8	31.8	32.0	32.0	32.0	32.0	32.0	32.2	32.3
GE 10000	21.3	21.5	28.2	29.5	31.7	33.0	33.3	33.4	33.4	33.7	33.7	33.7	33.7	33.7	33.8	33.9
GE 9000	21.7	21.9	28.9	30.2	32.5	33.8	34.1	34.4	34.4	34.7	34.7	34.7	34.7	34.7	34.8	34.9
GE 8000	23.7	24.1	31.3	32.6	34.8	36.1	36.6	37.0	37.0	37.3	37.3	37.3	37.3	37.3	37.4	37.5
GE 7000	23.9	24.3	31.5	32.8	35.1	36.3	36.8	37.2	37.2	37.5	37.5	37.5	37.5	37.5	37.6	37.7
GE 6000	24.2	24.6	31.8	33.1	35.4	36.7	37.1	37.5	37.5	37.8	37.8	37.8	37.8	37.8	38.0	38.1
GE 5000	25.3	25.7	33.1	34.4	36.8	38.1	38.5	38.9	38.9	39.2	39.2	39.2	39.2	39.2	39.4	39.5
GE 4500	26.3	26.8	34.3	35.6	38.0	39.2	39.7	40.1	40.1	40.4	40.4	40.4	40.4	40.4	40.5	40.6
GE 4000	29.2	29.8	37.6	39.0	41.5	42.8	43.2	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.1	44.2
GE 3500	32.3	32.8	40.6	42.3	44.7	46.0	46.5	46.9	46.9	47.2	47.2	47.2	47.2	47.2	47.3	47.4
GE 3000	37.6	38.3	46.5	48.3	51.1	52.4	52.8	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.8	53.9
GE 2500	42.4	43.2	51.9	54.0	57.1	58.5	59.0	59.7	59.7	60.1	60.1	60.1	60.1	60.1	60.2	60.3
GE 2000	47.0	48.0	56.9	59.0	62.4	63.9	64.4	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.8	65.9
GE 1800	48.1	49.1	58.2	60.5	64.1	65.7	66.2	67.2	67.2	67.6	67.6	67.6	67.6	67.6	67.7	68.0
GE 1500	51.6	52.9	62.7	65.5	69.7	71.4	72.2	73.2	73.2	73.7	73.7	73.7	73.7	73.7	73.8	74.0
GE 1200	54.6	56.0	67.3	70.6	75.3	77.1	77.8	78.9	78.9	79.4	79.4	79.4	79.4	79.4	79.5	79.7
GE 1000	56.7	58.1	69.9	74.1	78.8	80.9	81.8	82.9	82.9	83.4	83.4	83.4	83.4	83.4	83.5	83.8
GE 900	57.2	58.6	70.4	74.7	79.7	81.7	82.7	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.5	84.7
GE 800	57.8	59.2	71.5	75.9	81.2	83.9	84.9	86.2	86.2	86.8	86.8	86.8	86.8	86.8	86.9	87.1
GE 700	58.5	59.9	72.8	77.4	83.0	86.0	87.4	88.9	89.1	89.7	89.7	89.7	89.7	89.7	89.8	90.0
GE 600	58.8	60.2	73.2	77.8	84.0	87.3	88.7	90.2	90.4	91.2	91.2	91.2	91.2	91.2	91.3	91.5
GE 500	58.9	60.3	73.8	78.5	85.2	89.0	91.0	92.7	93.0	94.0	94.0	94.0	94.0	94.0	94.1	94.3
GE 400	58.9	60.3	73.8	78.6	85.5	89.6	91.7	93.8	94.3	95.6	95.6	95.6	95.6	95.6	95.7	95.9
GE 300	58.9	60.3	73.8	78.6	85.6	89.9	92.4	94.9	95.6	97.4	97.4	97.4	97.4	97.6	97.7	98.0
GE 200	58.9	60.3	73.8	78.6	85.6	89.9	92.4	94.9	95.6	98.0	98.1	98.3	98.3	98.6	98.7	99.1
GE 100	58.9	60.3	73.8	78.6	85.6	89.9	92.4	94.9	95.6	98.1	98.2	98.4	98.4	98.8	98.9	100.0
GE 000	58.9	60.3	73.8	78.6	85.6	89.9	92.4	94.9	95.6	98.1	98.2	98.4	98.4	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.3	24.7	29.1	29.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
GE 20000	31.5	32.2	37.3	37.5	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 18000	31.6	32.3	37.4	37.6	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 16000	31.6	32.3	37.4	37.6	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 14000	31.6	32.3	37.4	37.6	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 12000	32.9	33.8	39.4	39.6	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 10000	34.3	35.4	41.1	41.5	43.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 9000	35.3	36.3	42.0	42.5	44.4	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 8000	37.1	38.3	44.9	45.4	47.6	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 7000	37.5	38.7	45.4	45.8	48.1	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 6000	37.5	38.7	45.4	45.8	48.1	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 5000	40.8	42.0	49.0	49.5	51.9	52.0	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 4500	41.6	43.1	50.1	50.5	53.0	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 4000	45.2	46.8	54.0	54.5	57.0	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 3500	48.5	50.2	57.5	58.1	60.6	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 3000	53.7	55.5	63.1	63.8	66.7	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 2500	57.0	59.4	67.2	68.2	71.5	71.6	71.9	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 2000	59.8	62.2	70.4	71.4	75.2	75.7	76.0	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 1800	60.4	62.8	71.2	72.3	76.1	76.9	77.2	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1500	62.9	65.4	74.3	75.7	80.1	81.3	81.7	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1200	64.5	67.0	76.8	78.3	83.3	84.7	85.3	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1000	65.8	68.4	78.6	80.2	85.6	87.1	87.6	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 900	66.2	68.8	79.1	80.8	86.1	87.6	88.2	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 800	66.7	69.4	80.2	81.8	87.5	89.1	89.7	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 700	67.1	69.9	81.6	83.9	90.0	91.6	92.2	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 600	67.2	70.0	81.9	84.2	90.3	91.9	92.5	93.5	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 500	67.4	70.2	82.2	84.5	90.9	92.5	93.4	94.8	95.1	95.7	95.7	95.8	95.9	96.0	96.0	96.0
GE 400	67.4	70.2	82.2	84.5	91.0	92.8	93.9	95.7	96.0	96.8	96.8	96.9	97.0	97.1	97.1	97.1
GE 300	67.6	70.4	82.4	84.7	91.2	93.1	94.4	96.5	96.9	97.7	97.8	98.0	98.1	98.2	98.2	98.2
GE 200	67.6	70.4	82.5	84.8	91.3	93.2	94.6	96.9	97.6	99.1	99.4	99.5	99.6	99.7	99.7	99.8
GE 100	67.6	70.4	82.5	84.8	91.3	93.2	94.6	96.9	97.6	99.1	99.4	99.5	99.8	99.9	99.9	100.0
GE 000	67.6	70.4	82.5	84.8	91.3	93.2	94.6	96.9	97.6	99.1	99.4	99.5	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.2	29.3	33.4	34.3	36.1	36.3	36.6	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 20000	33.6	33.9	39.3	40.5	43.1	43.4	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 18000	33.6	33.9	39.3	40.5	43.1	43.6	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	33.6	33.9	39.3	40.5	43.1	43.6	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	33.7	34.0	39.4	40.6	43.2	43.7	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 12000	34.6	34.9	40.6	42.0	44.7	45.2	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 10000	36.4	36.7	42.4	43.8	46.9	47.6	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	37.2	37.6	43.6	45.0	48.1	48.8	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 8000	39.2	39.6	46.0	47.4	51.0	51.7	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 7000	39.7	40.2	46.5	47.9	51.6	52.2	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 6000	39.9	40.4	46.7	48.1	51.8	52.4	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 5000	42.7	43.2	49.9	51.7	55.4	56.1	56.5	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4500	44.5	45.0	51.8	53.6	57.4	58.0	58.4	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4000	47.3	47.9	54.8	56.9	60.8	61.5	61.9	62.4	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 3500	49.6	50.3	57.2	59.3	63.2	63.9	64.5	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 3000	52.1	52.9	60.2	62.3	66.3	67.1	67.6	68.1	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 2500	56.9	57.9	66.0	68.5	73.5	74.3	74.8	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2000	59.5	60.6	69.2	72.0	77.2	78.1	78.7	79.2	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1800	60.8	61.9	70.5	73.3	78.5	79.4	80.0	80.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 1500	63.5	64.8	73.7	76.6	81.9	82.9	83.4	84.0	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1200	65.1	66.4	75.6	78.6	84.0	84.9	85.6	86.1	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1000	66.4	67.7	77.8	81.2	87.3	88.3	89.2	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 900	66.4	67.7	78.0	81.4	87.6	88.7	89.7	90.6	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	66.7	68.0	78.9	82.2	88.9	90.0	91.0	92.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 700	67.2	68.5	79.5	82.9	89.7	90.7	91.8	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 600	67.2	68.5	79.5	83.0	89.8	90.9	91.9	93.2	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 500	67.6	68.9	80.0	83.4	90.6	91.7	93.2	94.8	95.3	95.7	95.8	95.9	95.9	95.9	95.9	95.9
GE 400	67.6	68.9	80.0	83.4	90.9	92.0	93.6	95.5	95.9	96.3	96.7	96.8	96.8	96.8	96.8	96.8
GE 300	67.6	68.9	80.1	83.5	91.4	92.6	94.2	96.2	97.0	97.6	98.0	98.1	98.1	98.1	98.1	98.1
GE 200	67.6	68.9	80.1	83.5	91.4	92.6	94.2	96.3	97.3	98.0	98.6	98.7	98.7	98.8	98.8	99.0
GE 100	67.6	68.9	80.1	83.5	91.4	92.6	94.2	96.3	97.3	98.0	98.8	99.1	99.2	99.5	99.6	100.0
GE 000	67.6	68.9	80.1	83.5	91.4	92.6	94.2	96.3	97.3	98.0	98.8	99.1	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.6	30.3	34.0	34.6	37.3	38.2	39.1	39.6	40.0	40.3	40.4	40.5	40.5	40.9	41.0	41.3
GE 20000	33.3	34.2	38.4	39.7	43.2	44.2	45.4	45.8	46.2	46.7	46.8	46.9	46.9	47.3	47.5	47.8
GE 18000	33.3	34.2	38.6	39.9	43.5	44.6	45.8	46.2	46.7	47.1	47.2	47.3	47.3	47.7	48.0	48.3
GE 16000	33.3	34.2	38.6	39.9	43.5	44.6	45.8	46.2	46.7	47.1	47.2	47.3	47.3	47.7	48.0	48.3
GE 14000	33.3	34.2	38.6	39.9	43.5	44.6	45.8	46.2	46.7	47.1	47.2	47.3	47.3	47.7	48.0	48.3
GE 12000	34.0	34.8	39.2	40.5	44.3	45.4	46.6	47.0	47.4	47.8	48.0	48.1	48.1	48.5	48.7	49.0
GE 10000	35.6	36.6	41.0	42.3	46.1	47.2	48.4	49.0	49.5	49.9	50.0	50.1	50.1	50.5	50.8	51.1
GE 9000	36.1	37.1	41.5	42.8	46.7	47.7	48.9	49.6	50.0	50.4	50.5	50.6	50.6	51.1	51.3	51.6
GE 8000	37.3	38.3	42.7	44.1	48.5	49.6	50.9	51.5	51.9	52.4	52.5	52.6	52.6	53.0	53.2	53.5
GE 7000	37.5	38.5	42.9	44.3	48.7	49.8	51.1	51.7	52.2	52.6	52.7	52.8	52.8	53.2	53.4	53.8
GE 6000	37.8	38.8	43.2	44.6	49.0	50.1	51.4	52.0	52.5	53.0	53.1	53.2	53.2	53.7	53.9	54.2
GE 5000	39.2	40.2	44.6	46.0	50.8	51.8	53.1	53.8	54.2	54.8	54.9	55.1	55.1	55.5	55.7	56.0
GE 4500	41.1	42.2	46.6	48.0	53.1	54.3	55.6	56.2	56.7	57.3	57.4	57.5	57.5	58.0	58.2	58.5
GE 4000	45.4	46.5	51.2	52.6	58.0	59.4	60.8	61.5	61.9	62.6	62.7	62.8	62.8	63.2	63.4	63.8
GE 3500	47.7	48.8	53.8	55.2	60.5	61.9	63.4	64.2	64.6	65.3	65.4	65.5	65.5	65.9	66.1	66.5
GE 3000	49.8	50.9	55.9	57.3	63.0	64.5	66.1	66.9	67.3	68.0	68.1	68.2	68.2	68.6	68.8	69.1
GE 2500	52.7	53.8	59.2	61.1	66.9	68.4	70.0	70.8	71.2	71.8	71.9	72.0	72.0	72.5	72.7	73.0
GE 2000	54.9	56.0	61.8	63.7	69.5	71.0	72.7	73.4	73.9	74.5	74.6	74.7	74.7	75.2	75.4	75.7
GE 1800	55.7	56.8	62.7	64.5	70.3	71.8	73.5	74.3	74.7	75.4	75.5	75.6	75.6	76.0	76.2	76.6
GE 1500	59.0	60.2	66.7	68.5	74.4	75.9	77.6	78.4	78.8	79.5	79.6	79.7	79.7	80.1	80.3	80.6
GE 1200	60.6	61.8	68.6	70.5	76.9	78.5	80.2	81.1	81.5	82.2	82.3	82.4	82.4	82.8	83.0	83.3
GE 1000	63.1	64.3	72.0	74.0	80.8	82.4	84.1	84.9	85.4	86.0	86.1	86.2	86.2	86.7	86.9	87.2
GE 900	63.4	64.6	72.7	74.6	81.5	83.1	84.8	85.9	86.3	87.0	87.1	87.2	87.2	87.6	87.8	88.2
GE 800	63.5	64.7	73.4	75.5	82.7	84.5	86.2	87.4	88.0	88.6	88.7	88.8	88.8	89.2	89.5	89.8
GE 700	64.2	65.4	74.5	76.6	84.0	85.8	87.5	88.7	89.2	89.9	90.0	90.1	90.1	90.5	90.8	91.1
GE 600	64.3	65.5	74.6	76.7	84.1	85.9	87.6	88.8	89.6	90.2	90.3	90.4	90.4	90.9	91.1	91.4
GE 500	64.3	65.5	75.2	77.5	85.8	87.6	89.7	90.9	91.6	92.4	92.5	92.6	92.6	93.0	93.2	93.5
GE 400	64.3	65.5	75.2	77.5	86.2	88.2	90.2	91.4	92.4	93.3	93.5	93.7	93.7	94.1	94.3	94.6
GE 300	64.3	65.6	75.5	78.2	87.2	89.1	91.2	92.8	94.0	95.4	95.6	95.7	95.8	96.2	96.5	96.8
GE 200	64.3	65.6	75.5	78.2	87.2	89.2	91.3	93.0	94.3	96.0	96.5	96.6	96.7	97.2	97.5	97.8
GE 100	64.3	65.6	75.5	78.2	87.2	89.2	91.3	93.0	94.4	96.6	97.0	97.1	97.2	98.0	98.7	99.9
GE 000	64.3	65.6	75.5	78.2	87.2	89.2	91.3	93.0	94.4	96.6	97.0	97.1	97.2	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT" HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.6	20.9	24.4	25.3	27.9	28.6	29.2	29.8	30.2	30.7	30.8	30.9	31.1	31.3	31.5	32.5
GE 20000	23.8	24.2	28.3	29.6	32.6	33.4	34.1	34.7	35.2	35.8	35.9	36.0	36.2	36.5	36.7	37.9
GE 18000	23.8	24.2	28.4	29.6	32.7	33.5	34.3	34.9	35.3	35.9	36.1	36.2	36.4	36.6	36.8	38.0
GE 16000	23.8	24.2	28.4	29.6	32.7	33.5	34.3	34.9	35.3	35.9	36.1	36.2	36.4	36.6	36.8	38.0
GE 14000	23.9	24.3	28.5	29.7	32.8	33.6	34.4	35.0	35.5	36.0	36.2	36.3	36.5	36.7	37.0	38.1
GE 12000	24.4	24.9	29.2	30.5	33.6	34.5	35.2	35.9	36.3	36.9	37.1	37.2	37.4	37.6	37.9	39.1
GE 10000	25.6	26.1	30.6	31.9	35.3	36.3	37.0	37.7	38.2	38.8	39.0	39.1	39.3	39.5	39.8	41.0
GE 9000	26.3	26.8	31.4	32.8	36.2	37.2	38.0	38.7	39.3	39.9	40.1	40.2	40.4	40.6	40.8	42.0
GE 8000	27.7	28.2	33.1	34.5	38.3	39.3	40.2	41.0	41.6	42.3	42.4	42.5	42.7	43.0	43.2	44.4
GE 7000	27.9	28.5	33.3	34.8	38.6	39.6	40.5	41.3	42.0	42.6	42.8	42.9	43.1	43.3	43.6	44.8
GE 6000	28.1	28.6	33.5	34.9	38.8	39.8	40.7	41.6	42.2	42.9	43.1	43.2	43.4	43.6	43.9	45.1
GE 5000	29.4	30.0	35.0	36.5	40.4	41.5	42.4	43.4	44.0	44.7	44.9	45.0	45.2	45.4	45.7	46.9
GE 4500	30.4	31.1	36.2	37.7	41.8	42.9	43.8	44.7	45.4	46.1	46.3	46.4	46.6	46.8	47.1	48.4
GE 4000	33.3	34.0	39.6	41.3	45.5	46.7	47.7	48.8	49.5	50.2	50.5	50.6	50.8	51.0	51.3	52.5
GE 3500	35.4	36.1	41.8	43.6	48.0	49.2	50.3	51.4	52.1	52.9	53.1	53.2	53.4	53.6	53.9	55.2
GE 3000	38.4	39.2	45.3	47.1	51.8	53.0	54.2	55.3	56.0	56.8	57.0	57.1	57.3	57.6	57.9	59.2
GE 2500	41.3	42.3	48.8	50.9	55.8	57.1	58.3	59.5	60.2	61.0	61.2	61.3	61.6	61.8	62.1	63.4
GE 2000	44.1	45.2	52.2	54.3	59.6	61.1	62.3	63.5	64.2	65.1	65.3	65.4	65.7	65.9	66.2	67.5
GE 1800	45.0	46.1	53.2	55.4	60.7	62.2	63.5	64.7	65.4	66.3	66.5	66.6	66.8	67.1	67.4	68.7
GE 1500	48.4	49.6	57.2	59.7	65.4	67.0	68.4	69.6	70.3	71.3	71.5	71.6	71.8	72.1	72.4	73.7
GE 1200	50.4	51.7	59.9	62.6	68.7	70.4	71.9	73.2	73.9	74.9	75.1	75.2	75.4	75.7	76.0	77.3
GE 1000	52.2	53.5	62.4	65.3	71.7	73.5	75.1	76.5	77.2	78.2	78.4	78.5	78.8	79.0	79.4	80.7
GE 900	52.7	54.1	63.1	66.0	72.6	74.5	76.0	77.5	78.2	79.3	79.5	79.6	79.8	80.1	80.4	81.8
GE 800	53.4	54.7	64.3	67.3	74.3	76.3	77.9	79.6	80.3	81.3	81.6	81.7	81.9	82.2	82.5	83.9
GE 700	54.3	55.7	65.7	69.0	76.4	78.5	80.4	82.1	82.9	84.0	84.3	84.4	84.6	84.9	85.2	86.6
GE 600	54.6	56.0	66.2	69.7	77.4	79.6	81.6	83.6	84.5	85.7	86.0	86.1	86.4	86.6	87.0	88.3
GE 500	55.0	56.4	67.0	70.6	78.9	81.3	83.6	85.9	86.9	88.2	88.5	88.7	89.0	89.3	89.6	90.9
GE 400	55.0	56.4	67.1	70.8	79.5	81.9	84.4	87.0	88.2	89.6	90.1	90.3	90.5	90.9	91.2	92.6
GE 300	55.1	56.5	67.2	71.1	80.1	82.6	85.2	88.2	89.6	91.3	91.8	92.0	92.3	92.7	93.1	94.7
GE 200	55.1	56.5	67.3	71.2	80.2	82.8	85.4	88.5	90.0	92.0	92.6	92.9	93.3	93.8	94.4	96.7
GE 100	55.1	56.5	67.3	71.2	80.3	82.8	85.4	88.6	90.1	92.4	93.1	93.5	94.0	94.6	95.5	99.8
GE 000	55.1	56.5	67.3	71.2	80.3	82.8	85.4	88.6	90.1	92.4	93.1	93.5	94.0	94.7	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7437

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.5	21.6	23.1	24.1	26.3	27.2	27.5	27.9	28.4	28.8	28.8	28.9	29.2	29.2	29.2	30.8
GE 20000	22.2	22.3	23.9	25.1	27.7	28.7	29.1	29.5	29.9	30.4	30.4	30.6	30.8	30.8	30.8	32.6
GE 18000	22.2	22.3	23.9	25.1	27.7	28.7	29.1	29.5	29.9	30.4	30.4	30.6	30.8	30.8	30.8	32.6
GE 16000	22.2	22.3	23.9	25.1	27.7	28.7	29.1	29.5	29.9	30.4	30.4	30.6	30.8	30.8	30.8	32.6
GE 14000	22.2	22.3	23.9	25.3	27.8	28.8	29.2	29.6	30.1	30.5	30.5	30.7	30.9	30.9	30.9	32.7
GE 12000	22.2	22.3	23.9	25.3	27.9	28.9	29.3	29.7	30.2	30.6	30.6	30.8	31.1	31.1	31.1	32.8
GE 10000	22.5	22.6	24.4	25.8	28.6	29.6	29.9	30.4	30.8	31.5	31.5	31.7	32.0	32.0	32.0	33.7
GE 9000	22.6	22.7	24.7	26.3	29.3	30.4	30.7	31.2	31.6	32.3	32.3	32.5	32.7	32.7	32.7	34.5
GE 8000	23.2	23.4	26.0	27.6	30.8	32.0	32.3	32.7	33.2	33.9	33.9	34.1	34.3	34.3	34.3	36.1
GE 7000	24.0	24.1	26.8	28.4	31.6	32.7	33.1	33.5	34.0	34.6	34.6	34.9	35.1	35.1	35.1	36.9
GE 6000	24.0	24.1	26.8	28.4	31.6	32.7	33.1	33.5	34.0	34.6	34.6	34.9	35.1	35.1	35.1	36.9
GE 5000	24.8	24.9	27.6	29.2	32.4	33.5	33.9	34.3	34.7	35.4	35.4	35.6	35.9	35.9	35.9	37.7
GE 4500	25.4	25.5	28.2	29.7	33.0	34.1	34.4	35.0	35.4	36.3	36.3	36.5	36.8	36.8	36.8	38.5
GE 4000	27.9	28.0	30.9	32.6	35.9	37.0	37.3	37.9	38.3	39.2	39.2	39.4	39.7	39.7	39.7	41.5
GE 3500	30.4	30.6	33.5	35.3	38.5	39.7	40.1	40.7	41.1	42.0	42.0	42.2	42.5	42.5	42.5	44.2
GE 3000	32.7	33.0	36.3	38.3	41.8	43.0	43.7	44.6	45.0	45.9	45.9	46.1	46.4	46.4	46.4	48.2
GE 2500	35.8	36.0	39.4	41.7	45.1	46.4	47.0	48.0	48.5	49.4	49.4	49.6	49.8	49.8	49.8	51.6
GE 2000	40.0	40.2	44.0	46.5	50.1	51.3	52.0	53.3	53.7	54.6	54.6	54.9	55.1	55.1	55.1	56.9
GE 1800	40.4	40.7	44.5	47.0	50.6	51.8	52.5	53.9	54.3	55.2	55.2	55.4	55.6	55.6	55.6	57.4
GE 1500	45.5	45.7	50.2	53.1	57.0	58.3	59.0	60.4	61.0	61.9	61.9	62.1	62.3	62.3	62.3	64.1
GE 1200	47.7	47.9	52.7	56.0	60.1	61.5	62.1	63.7	64.2	65.1	65.1	65.4	65.6	65.6	65.6	67.4
GE 1000	50.6	50.8	56.0	59.4	64.1	65.5	66.1	68.2	68.7	69.6	69.6	69.8	70.1	70.1	70.1	72.1
GE 900	51.1	51.3	56.9	60.4	65.7	67.3	68.0	70.3	70.8	71.7	71.7	72.0	72.2	72.2	72.2	74.2
GE 800	52.7	53.0	58.9	62.5	68.0	69.6	70.5	73.2	73.7	74.6	74.6	74.9	75.1	75.1	75.1	77.1
GE 700	54.4	54.6	60.8	64.8	71.2	72.8	74.0	76.8	77.3	78.2	78.2	78.4	78.7	78.7	78.7	80.7
GE 600	54.9	55.1	61.5	65.8	72.6	74.4	75.8	78.5	79.2	80.1	80.1	80.3	80.6	80.6	80.6	82.6
GE 500	55.2	55.4	62.3	66.8	74.1	76.1	77.4	80.7	81.8	82.7	82.7	82.9	83.1	83.1	83.1	85.1
GE 400	55.5	55.8	62.8	67.4	75.1	77.1	78.4	82.1	83.6	84.6	84.6	84.8	85.0	85.1	85.1	87.2
GE 300	55.5	55.8	62.9	67.6	75.8	77.9	79.3	83.1	84.9	86.0	86.0	86.3	86.5	86.7	86.7	89.2
GE 200	55.5	55.8	62.9	67.7	76.0	78.2	79.9	83.9	86.3	87.8	87.8	88.2	88.4	88.9	89.2	93.6
GE 100	55.5	55.8	62.9	67.7	76.0	78.2	79.9	84.0	86.7	88.5	88.8	89.6	90.1	91.3	92.3	99.6
GE 000	55.5	55.8	62.9	67.7	76.0	78.2	79.9	84.0	86.7	88.5	88.8	89.6	90.1	91.3	92.3	100.0

TOTAL NUMBER OF OBSERVATIONS 895

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.2	15.4	17.2	18.5	21.5	22.2	23.1	23.8	24.5	25.1	25.3	25.4	25.4	25.7	25.9	27.7
GE 20000	15.5	15.8	17.5	18.9	22.1	22.9	23.8	24.5	25.1	25.8	25.9	26.0	26.0	26.4	26.6	28.5
GE 18000	15.5	15.8	17.5	18.9	22.1	22.9	23.8	24.5	25.1	25.8	25.9	26.0	26.0	26.4	26.6	28.5
GE 16000	15.5	15.8	17.7	19.0	22.2	23.0	23.9	24.6	25.3	25.9	26.0	26.1	26.1	26.5	26.7	28.6
GE 14000	15.5	15.8	17.7	19.0	22.2	23.0	23.9	24.6	25.3	25.9	26.0	26.1	26.1	26.5	26.7	28.6
GE 12000	15.5	15.8	17.7	19.0	22.2	23.0	23.9	24.6	25.3	25.9	26.0	26.1	26.1	26.5	26.7	28.6
GE 10000	16.3	16.5	18.5	19.9	23.2	24.1	25.0	25.7	26.4	27.0	27.2	27.3	27.3	27.6	27.8	29.7
GE 9000	16.5	16.8	18.9	20.2	23.6	24.5	25.4	26.0	26.7	27.4	27.5	27.6	27.6	27.9	28.2	30.1
GE 8000	17.4	17.7	20.3	21.9	25.3	26.1	27.0	27.7	28.4	29.1	29.2	29.3	29.3	29.6	29.8	31.7
GE 7000	17.7	17.9	20.6	22.1	25.6	26.5	27.4	28.0	28.7	29.4	29.5	29.6	29.6	29.9	30.2	32.1
GE 6000	17.7	17.9	20.6	22.1	25.6	26.5	27.4	28.0	28.7	29.4	29.5	29.6	29.6	29.9	30.2	32.1
GE 5000	18.4	18.7	21.5	23.0	26.7	27.6	28.5	29.2	29.8	30.5	30.6	30.7	30.7	31.1	31.3	33.2
GE 4500	19.3	19.7	22.6	24.1	27.8	28.7	29.8	30.5	31.2	32.2	32.3	32.4	32.4	32.7	33.0	34.9
GE 4000	21.7	22.0	25.0	26.6	30.4	31.3	32.5	33.2	33.9	34.9	35.0	35.1	35.1	35.4	35.6	37.5
GE 3500	23.1	23.5	26.7	28.4	32.3	33.4	34.6	35.3	36.0	37.0	37.1	37.2	37.2	37.5	37.8	39.7
GE 3000	25.4	25.7	29.4	31.3	35.4	36.5	37.8	38.5	39.3	40.3	40.4	40.6	40.6	40.9	41.1	43.0
GE 2500	28.2	28.6	32.4	34.3	38.4	39.6	40.9	42.1	43.0	44.0	44.1	44.2	44.2	44.6	44.8	46.7
GE 2000	32.4	32.8	37.1	39.0	43.4	44.6	45.9	47.2	48.2	49.2	49.3	49.4	49.4	49.7	49.9	51.8
GE 1800	34.4	34.9	39.2	41.3	45.7	46.9	48.3	49.5	50.5	51.5	51.6	51.7	51.7	52.1	52.3	54.2
GE 1500	37.1	37.8	43.0	45.3	49.9	51.3	52.6	53.9	55.0	56.0	56.1	56.2	56.2	56.5	56.8	58.7
GE 1200	40.3	41.0	46.4	48.7	53.7	55.1	56.4	57.8	58.9	59.9	60.0	60.1	60.1	60.4	60.7	62.6
GE 1000	42.9	43.6	49.3	51.7	57.4	58.9	60.4	61.8	62.9	63.9	64.0	64.1	64.1	64.5	64.7	66.6
GE 900	43.8	44.5	50.7	53.5	59.3	60.8	62.3	63.9	65.0	66.0	66.1	66.3	66.3	66.6	66.8	68.7
GE 800	45.0	45.7	52.4	55.3	61.5	63.0	64.8	66.5	67.6	68.6	68.7	68.8	68.8	69.2	69.4	71.3
GE 700	45.7	46.4	53.6	56.5	63.2	65.0	67.0	68.9	70.2	71.2	71.3	71.4	71.4	71.7	72.0	73.9
GE 600	46.7	47.4	55.5	58.5	65.6	67.5	69.8	72.0	73.2	74.2	74.3	74.4	74.4	74.7	75.0	76.9
GE 500	46.7	47.4	56.3	59.6	66.9	69.2	71.7	73.9	75.3	76.3	76.4	76.5	76.5	76.9	77.1	79.0
GE 400	47.2	47.9	57.3	61.1	69.1	71.3	74.3	76.8	78.7	79.9	80.0	80.1	80.2	80.8	81.0	82.9
GE 300	47.3	48.0	57.5	61.7	70.3	72.5	75.9	78.5	80.8	83.0	83.1	83.4	83.5	84.2	84.5	86.9
GE 200	47.3	48.0	57.5	61.7	70.7	73.1	76.9	79.7	82.3	85.0	85.5	85.7	85.8	86.6	86.9	90.9
GE 100	47.3	48.0	57.5	61.7	70.7	73.3	77.2	80.0	83.4	86.6	87.6	88.2	88.5	89.8	90.9	99.1
GE 000	47.3	48.0	57.5	61.7	70.7	73.3	77.2	80.0	83.4	86.6	87.6	88.2	88.5	89.8	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS 895

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.1	14.2	16.2	17.4	19.4	20.0	20.7	21.1	21.8	22.1	22.2	22.5	22.6	22.9	23.1	24.2
GE 20000	14.5	14.6	16.6	18.0	20.2	20.8	21.5	21.9	22.6	23.0	23.1	23.4	23.5	23.9	24.1	25.6
GE 18000	14.5	14.6	16.6	18.0	20.2	20.8	21.5	21.9	22.6	23.0	23.1	23.4	23.5	23.9	24.1	25.6
GE 16000	14.6	14.7	16.8	18.1	20.3	20.9	21.6	22.0	22.7	23.1	23.2	23.5	23.6	24.0	24.2	25.7
GE 14000	14.6	14.7	16.8	18.1	20.3	20.9	21.6	22.0	22.7	23.1	23.2	23.5	23.6	24.0	24.2	25.7
GE 12000	14.7	14.9	16.9	18.2	20.4	21.1	21.8	22.2	22.9	23.4	23.5	23.7	23.8	24.2	24.5	25.9
GE 10000	16.0	16.2	18.4	19.9	22.1	23.0	23.7	24.1	24.8	25.3	25.4	25.6	25.7	26.1	26.4	27.8
GE 9000	16.2	16.4	18.8	20.2	22.5	23.4	24.0	24.5	25.1	25.6	25.7	25.9	26.0	26.5	26.7	28.2
GE 8000	17.3	17.5	20.7	22.1	24.9	26.1	26.8	27.4	28.0	28.5	28.6	28.8	28.9	29.4	29.7	31.2
GE 7000	17.4	17.8	21.0	22.5	25.3	26.5	27.2	27.7	28.4	28.8	28.9	29.2	29.3	29.7	30.1	31.5
GE 6000	17.4	17.8	21.0	22.5	25.3	26.7	27.5	28.0	28.7	29.2	29.3	29.5	29.6	30.1	30.4	31.8
GE 5000	18.5	18.9	22.2	23.8	26.7	28.2	28.9	29.5	30.2	30.6	30.7	30.9	31.1	31.5	31.8	33.5
GE 4500	19.4	19.8	23.6	25.1	28.2	29.6	30.4	31.1	31.7	32.2	32.3	32.5	32.6	33.1	33.4	35.1
GE 4000	22.2	22.6	26.6	28.2	31.4	32.8	33.6	34.3	35.0	35.4	35.5	35.8	35.9	36.3	36.6	38.4
GE 3500	23.6	24.0	28.4	30.1	33.7	35.3	36.1	36.8	37.4	38.1	38.2	38.4	38.5	39.0	39.3	41.2
GE 3000	25.8	26.4	30.9	32.6	36.5	38.2	39.0	39.7	40.4	41.1	41.2	41.5	41.6	42.0	42.3	44.4
GE 2500	28.2	28.7	33.5	35.2	39.3	41.1	41.9	42.6	43.4	44.0	44.1	44.4	44.5	44.9	45.3	47.3
GE 2000	31.1	31.7	37.0	38.7	43.5	45.3	46.0	46.9	47.9	48.7	48.8	49.1	49.2	49.6	49.9	52.0
GE 1800	32.0	32.6	38.0	39.7	44.6	46.4	47.2	48.0	49.1	49.8	49.9	50.2	50.3	50.7	51.1	53.1
GE 1500	35.5	36.3	42.1	44.5	49.9	51.7	52.5	53.5	54.9	55.6	55.8	56.0	56.1	56.5	56.9	58.9
GE 1200	37.7	38.7	44.8	47.4	53.2	55.1	55.9	56.9	58.2	59.0	59.1	59.3	59.4	59.9	60.2	62.2
GE 1000	39.6	40.6	47.0	49.7	55.8	57.8	58.5	59.7	61.0	61.8	61.9	62.1	62.2	62.7	63.0	65.0
GE 900	40.3	41.3	48.3	51.1	57.3	59.3	60.2	61.5	62.8	63.7	63.8	64.0	64.1	64.6	64.9	66.9
GE 800	41.3	42.3	49.8	52.8	59.1	61.1	62.0	63.4	64.7	65.7	65.8	66.0	66.1	66.6	66.9	68.9
GE 700	41.9	42.9	51.2	54.2	61.0	63.0	63.9	65.5	67.2	68.2	68.3	68.5	68.6	69.1	69.4	71.4
GE 600	42.6	43.6	52.1	55.3	62.6	64.7	65.8	67.8	69.6	70.6	70.7	70.9	71.1	71.5	71.8	73.9
GE 500	43.1	44.1	53.1	56.4	64.0	66.3	67.4	69.9	72.3	73.3	73.4	73.6	73.7	74.3	74.6	76.6
GE 400	43.4	44.4	53.6	57.2	65.8	68.2	69.3	72.2	75.3	76.4	76.9	77.1	77.2	77.8	78.1	80.1
GE 300	43.6	44.6	54.0	57.7	66.7	69.4	70.8	74.1	77.7	80.0	80.7	81.0	81.2	82.1	82.6	85.7
GE 200	43.8	44.8	54.2	58.0	67.2	69.9	71.4	75.3	79.0	82.0	82.8	83.2	83.7	84.6	85.3	89.7
GE 100	43.8	44.8	54.2	58.0	67.2	70.1	71.5	75.8	79.7	83.1	84.4	85.1	86.0	86.9	88.4	98.0
GE 000	43.8	44.8	54.2	58.0	67.2	70.1	71.5	75.8	79.7	83.1	84.5	85.3	86.1	87.0	88.8	100.0

TOTAL NUMBER OF OBSERVATIONS 895

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITEBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 12	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.9	13.2	15.3	16.9	19.0	19.2	20.1	20.8	21.0	21.4	21.6	21.6	21.6	21.8	21.8	22.6
GE 20000	14.3	14.8	17.1	18.7	21.1	21.7	22.6	23.3	23.6	24.2	24.3	24.3	24.3	24.7	24.7	25.7
GE 18000	14.3	14.8	17.1	18.7	21.1	21.7	22.6	23.3	23.6	24.2	24.3	24.3	24.3	24.7	24.7	25.7
GE 16000	14.4	14.9	17.2	18.8	21.2	21.8	22.7	23.4	23.7	24.3	24.4	24.4	24.4	24.8	24.8	25.8
GE 14000	14.4	14.9	17.2	18.8	21.4	22.0	22.9	23.7	23.9	24.6	24.7	24.7	24.7	25.0	25.0	26.0
GE 12000	14.8	15.2	17.7	19.2	21.9	22.6	23.4	24.3	24.6	25.2	25.3	25.3	25.3	25.7	25.7	26.7
GE 10000	15.7	16.1	18.9	20.6	23.2	23.9	24.8	25.7	25.9	26.6	26.7	26.7	26.7	27.0	27.0	28.3
GE 9000	16.2	16.7	19.4	21.1	23.9	24.6	25.4	26.3	26.6	27.2	27.3	27.3	27.3	27.7	27.7	29.0
GE 8000	17.8	18.2	21.2	23.1	26.1	27.0	27.9	29.0	29.2	29.9	30.0	30.0	30.0	30.3	30.3	31.7
GE 7000	18.1	18.8	21.8	23.7	26.8	27.7	28.6	29.7	29.9	30.6	30.7	30.7	30.7	31.0	31.0	32.3
GE 6000	18.2	18.9	22.0	23.9	27.2	28.1	29.0	30.1	30.3	31.0	31.1	31.1	31.1	31.4	31.4	32.8
GE 5000	19.4	20.1	23.3	25.3	28.7	29.8	30.7	31.8	32.0	32.7	32.8	32.8	32.8	33.1	33.1	34.6
GE 4500	19.7	20.3	24.1	26.4	29.8	30.9	31.9	33.1	33.3	34.0	34.1	34.1	34.1	34.4	34.4	35.9
GE 4000	22.3	23.0	26.9	29.9	33.3	34.4	35.4	36.7	36.9	37.6	37.7	37.7	37.8	38.1	38.1	39.6
GE 3500	24.0	24.7	29.2	32.3	36.0	37.1	38.3	39.7	39.9	40.6	40.9	40.9	41.0	41.3	41.4	42.9
GE 3000	25.4	26.3	31.3	34.6	38.6	39.7	40.9	42.3	42.6	43.2	43.7	43.7	43.8	44.1	44.2	45.7
GE 2500	27.2	28.2	33.3	36.7	40.8	41.9	43.1	44.8	45.0	45.7	46.1	46.1	46.2	46.6	46.7	48.1
GE 2000	30.1	31.1	36.3	39.7	43.9	45.1	46.3	48.3	49.0	49.8	50.2	50.2	50.4	50.8	50.9	52.3
GE 1800	31.4	32.4	37.8	41.2	45.8	47.0	48.2	50.3	51.0	51.8	52.2	52.2	52.4	52.8	52.9	54.3
GE 1500	36.3	37.3	42.8	46.4	51.8	53.0	54.3	56.4	57.2	58.0	58.4	58.4	58.8	59.1	59.2	60.8
GE 1200	39.1	40.1	45.9	49.8	55.3	56.6	58.0	60.4	61.3	62.2	62.7	62.7	63.0	63.3	63.4	65.0
GE 1000	40.8	42.0	48.4	52.3	58.3	59.6	61.1	63.7	64.6	65.6	66.1	66.1	66.4	66.8	67.0	68.6
GE 900	41.4	42.8	49.2	53.1	59.6	60.9	62.7	65.3	66.3	67.3	67.9	67.9	68.2	68.6	68.8	70.3
GE 800	42.2	43.6	50.4	54.6	61.4	63.0	64.8	67.4	68.6	69.7	70.3	70.3	70.7	71.0	71.2	72.8
GE 700	42.3	43.7	50.8	55.0	62.4	64.1	66.1	68.9	70.2	71.6	72.2	72.2	72.6	72.9	73.1	74.7
GE 600	42.6	43.9	51.3	55.6	63.4	65.4	67.9	71.0	72.4	74.0	74.7	74.7	75.0	75.3	75.6	77.1
GE 500	43.0	44.3	52.1	56.4	64.8	67.0	70.0	73.7	75.2	77.1	77.8	77.8	78.1	78.6	78.8	80.3
GE 400	43.1	44.4	52.3	56.8	65.6	67.8	71.2	75.3	78.1	80.2	80.9	80.9	81.2	81.7	81.9	83.4
GE 300	43.1	44.4	52.6	57.0	66.0	68.2	72.0	76.7	79.8	82.1	83.1	83.3	83.9	84.6	85.0	87.2
GE 200	43.1	44.4	52.6	57.0	66.0	68.3	72.3	77.4	81.2	84.1	85.3	85.6	86.4	87.2	87.9	93.3
GE 100	43.1	44.4	52.6	57.0	66.0	68.3	72.4	77.8	81.6	84.4	85.9	86.2	87.3	88.7	89.7	99.4
GE 000	43.1	44.4	52.6	57.0	66.0	68.3	72.4	77.8	81.6	84.4	85.9	86.3	87.4	88.8	89.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.1	16.1	19.2	19.5	20.7	21.4	21.4	21.7	21.7	22.0	22.1	22.1	22.1	22.1	22.1	22.5
GE 20000	18.6	18.9	22.4	22.7	24.1	24.8	24.8	25.4	25.4	25.7	25.8	25.8	25.8	25.9	25.9	26.3
GE 18000	18.6	18.9	22.4	22.7	24.1	24.8	24.8	25.4	25.4	25.7	25.8	25.8	25.8	25.9	25.9	26.3
GE 16000	18.6	18.9	22.4	22.7	24.1	24.8	24.8	25.4	25.4	25.7	25.8	25.6	25.8	25.9	25.9	26.3
GE 14000	18.6	18.9	22.4	22.7	24.1	24.8	24.8	25.4	25.4	25.7	25.8	25.8	25.8	25.9	25.9	26.3
GE 12000	19.0	19.4	22.8	23.2	24.9	25.6	25.7	26.3	26.3	26.6	26.7	26.7	26.7	26.8	26.8	27.1
GE 10000	20.1	20.5	23.9	24.4	26.1	26.8	26.9	27.5	27.6	27.9	28.0	28.0	28.0	28.1	28.1	28.6
GE 9000	20.6	20.9	24.4	24.9	26.9	27.6	27.7	28.3	28.4	28.7	28.8	28.8	28.8	28.9	28.9	29.4
GE 8000	22.1	22.5	26.3	27.3	29.5	30.1	30.4	30.9	31.0	31.5	31.6	31.6	31.6	31.7	31.7	32.1
GE 7000	22.7	23.0	26.8	27.8	30.0	30.7	31.0	31.6	31.7	32.1	32.3	32.3	32.3	32.4	32.4	32.8
GE 5000	22.7	23.0	26.8	27.8	30.0	30.7	31.0	31.6	31.7	32.1	32.3	32.3	32.3	32.4	32.4	32.8
GE 5000	23.6	24.0	28.0	29.0	31.4	32.4	32.7	33.3	33.4	33.8	33.9	33.9	33.9	34.0	34.0	34.5
GE 4500	24.7	25.1	29.1	30.1	32.5	33.5	33.8	34.4	34.5	34.9	35.0	35.0	35.0	35.2	35.2	35.6
GE 4000	27.8	28.4	32.7	33.7	36.3	37.3	37.8	38.4	38.5	38.9	39.0	39.0	39.0	39.2	39.2	39.6
GE 3500	30.3	30.8	35.3	36.4	39.4	40.4	41.0	41.7	42.0	42.5	42.6	42.6	42.6	42.7	42.7	43.2
GE 3000	33.5	34.0	38.9	40.3	43.6	44.6	45.3	46.1	46.4	46.8	46.9	46.9	46.9	47.1	47.1	47.5
GE 2500	37.0	37.6	42.5	43.9	47.4	48.5	49.2	49.9	50.3	50.7	50.8	50.8	50.8	50.9	50.9	51.4
GE 2000	41.4	42.0	47.5	49.3	53.1	54.5	55.2	56.3	56.6	57.1	57.2	57.2	57.2	57.3	57.3	57.7
GE 1800	43.8	44.5	49.9	51.9	55.8	57.3	58.0	59.1	59.4	59.8	60.0	60.0	60.0	60.1	60.1	60.5
GE 1500	49.1	49.8	56.1	58.4	62.6	64.1	64.8	66.0	66.5	67.0	67.1	67.1	67.1	67.2	67.2	67.6
GE 1200	51.2	52.2	59.1	61.6	66.4	67.9	68.7	70.2	70.7	71.2	71.3	71.3	71.3	71.4	71.4	71.9
GE 1000	52.9	53.9	61.4	64.0	69.2	70.9	71.7	73.2	73.9	74.4	74.6	74.6	74.6	74.7	74.7	75.2
GE 900	53.5	54.5	62.0	64.7	70.0	72.0	73.0	74.5	75.2	75.8	76.0	76.0	76.0	76.1	76.1	76.5
GE 800	54.2	55.4	63.0	66.0	71.6	73.6	74.7	76.3	77.1	77.6	77.9	77.9	77.9	78.0	78.0	78.4
GE 700	54.7	56.0	63.8	67.4	73.6	75.9	77.0	78.8	79.8	80.3	80.5	80.5	80.5	80.6	80.6	81.1
GE 600	54.8	56.1	64.4	68.1	74.7	77.3	78.8	81.1	82.3	83.1	83.3	83.3	83.3	83.4	83.4	83.9
GE 500	54.9	56.2	64.8	68.5	76.2	79.1	81.0	83.9	85.3	86.5	87.0	87.0	87.0	87.2	87.2	87.7
GE 400	55.1	56.3	65.1	68.7	76.8	79.8	82.0	85.8	87.5	88.9	89.7	89.8	89.8	90.0	90.0	90.5
GE 300	55.1	56.3	65.1	68.7	76.9	79.9	82.2	86.3	88.5	90.2	91.1	91.4	91.9	92.2	92.4	93.5
GE 200	55.1	56.3	65.1	68.7	76.9	79.9	82.3	86.4	89.1	91.2	92.5	93.1	93.5	94.1	94.5	96.8
GE 100	55.1	56.3	65.1	68.7	76.9	79.9	82.3	86.4	89.1	91.2	92.5	93.4	94.0	94.8	95.3	99.9
GE 000	55.1	56.3	65.1	68.7	76.9	79.9	82.3	86.4	89.1	91.2	92.5	93.4	94.0	94.8	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.0	20.1	23.4	23.9	25.5	25.9	26.0	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.5
GE 20000	22.0	22.1	25.5	26.3	28.1	28.6	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.1
GE 18000	22.0	22.1	25.5	26.3	28.1	28.6	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.1
GE 16000	22.0	22.1	25.5	26.3	28.1	28.6	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.1
GE 14000	22.1	22.2	25.6	26.4	28.3	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.3
GE 12000	22.2	22.4	25.8	26.7	28.6	29.0	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.6
GE 10000	24.0	24.1	28.1	29.3	31.3	31.7	31.8	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.6
GE 9000	24.7	24.8	28.8	29.9	31.9	32.4	32.5	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.3
GE 8000	27.0	27.4	31.8	33.0	35.5	35.9	36.0	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.8
GE 7000	27.5	27.9	32.4	33.6	36.2	36.6	36.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.5
GE 6000	27.5	27.9	32.4	33.6	36.2	36.6	36.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.5
GE 5000	28.1	28.6	33.1	34.6	37.4	37.9	38.0	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.8
GE 4500	29.5	30.0	34.7	36.2	39.3	39.8	39.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.7
GE 4000	32.8	33.6	38.4	39.9	43.2	43.7	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.7
GE 3500	36.4	37.3	42.7	44.3	47.5	48.1	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.1
GE 3000	40.0	40.9	47.2	48.7	52.2	52.8	53.2	53.7	53.7	53.8	53.8	53.8	53.8	53.9	53.9	54.2
GE 2500	44.9	45.9	52.4	53.9	57.8	58.5	59.0	59.5	59.5	59.6	59.6	59.6	59.6	59.7	59.7	60.0
GE 2000	48.9	49.9	57.3	59.1	63.6	64.4	65.0	65.5	65.6	65.7	65.7	65.7	65.7	65.9	65.9	66.1
GE 1800	50.2	51.2	59.0	60.7	65.5	66.3	66.9	67.5	67.6	67.7	67.7	67.7	67.7	67.9	67.9	68.1
GE 1500	53.2	54.6	62.8	65.3	70.9	71.6	72.3	73.1	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.7
GE 1200	54.9	56.5	65.4	67.9	73.7	74.6	75.6	76.5	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.2
GE 1000	56.2	57.8	67.4	69.9	76.1	77.3	78.3	79.3	79.6	79.8	79.8	79.8	79.8	79.9	79.9	80.1
GE 900	56.7	58.4	68.0	70.4	77.0	78.4	79.8	80.9	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.6
GE 800	57.4	59.1	69.1	71.5	78.5	80.1	81.6	82.8	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.6
GE 700	57.7	59.4	69.7	72.3	79.6	81.2	83.0	84.2	84.6	84.8	84.8	84.8	84.8	84.9	84.9	85.1
GE 600	58.0	59.6	70.2	72.7	80.5	82.4	84.5	86.0	86.5	86.8	86.8	86.8	86.8	86.9	86.9	87.1
GE 500	58.2	59.8	70.6	73.3	81.9	83.9	86.5	88.1	88.9	89.4	89.5	89.7	89.7	89.8	89.9	90.1
GE 400	58.2	59.8	70.7	73.4	82.3	84.4	87.1	88.7	89.8	90.5	90.9	91.0	91.0	91.1	91.2	91.4
GE 300	58.2	59.8	70.7	73.4	82.5	84.8	87.5	89.4	91.0	92.1	92.4	92.7	92.8	92.9	93.1	93.5
GE 200	58.2	59.8	70.7	73.4	82.5	84.8	87.5	89.4	91.1	92.7	93.3	93.5	93.9	94.4	95.2	96.3
GE 100	58.2	59.8	70.7	73.4	82.5	84.8	87.5	89.4	91.1	92.7	93.8	94.1	94.7	95.4	96.8	99.6
GE 000	58.2	59.8	70.7	73.4	82.5	84.8	87.5	89.4	91.1	92.7	93.8	94.1	94.7	95.4	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.0	24.6	26.2	27.0	27.8	28.2	28.5	28.7	28.9	29.0	29.0	29.0	29.0	29.1	29.2	29.4
GE 20000	25.7	26.2	28.5	29.6	30.4	30.9	31.1	31.4	31.6	31.7	31.7	31.7	31.7	31.8	31.9	32.0
GE 18000	25.7	26.2	28.5	29.6	30.4	30.9	31.1	31.4	31.6	31.7	31.7	31.7	31.7	31.8	31.9	32.0
GE 16000	25.7	26.2	28.5	29.6	30.4	30.9	31.1	31.4	31.6	31.7	31.7	31.7	31.7	31.8	31.9	32.0
GE 14000	25.9	26.5	28.7	29.8	30.6	31.1	31.4	31.6	31.8	31.9	31.9	31.9	31.9	32.0	32.1	32.3
GE 12000	25.9	26.5	28.8	29.9	30.9	31.5	31.7	31.9	32.1	32.3	32.3	32.3	32.3	32.4	32.5	32.6
GE 10000	26.6	27.1	29.5	30.6	31.6	32.3	32.5	32.7	32.9	33.0	33.0	33.0	33.0	33.1	33.3	33.4
GE 9000	26.9	27.5	30.0	31.1	32.5	33.1	33.4	33.9	34.2	34.3	34.3	34.3	34.3	34.4	34.5	34.6
GE 8000	29.1	29.7	33.1	34.4	36.3	36.9	37.3	37.8	38.1	38.2	38.2	38.2	38.2	38.3	38.4	38.5
GE 7000	29.8	30.5	33.9	35.2	37.1	37.7	38.1	38.6	38.8	39.0	39.0	39.0	39.0	39.1	39.2	39.3
GE 6000	30.0	30.7	34.2	35.4	37.3	37.9	38.3	38.8	39.1	39.2	39.2	39.2	39.2	39.3	39.4	39.5
GE 5000	31.7	32.4	35.8	37.4	39.3	40.0	40.3	40.8	41.1	41.2	41.2	41.2	41.2	41.3	41.4	41.5
GE 4500	32.4	33.0	37.5	38.2	40.7	41.4	41.9	42.4	42.6	42.7	42.7	42.7	42.7	42.9	43.0	43.1
GE 4000	35.5	36.6	40.1	42.0	44.8	45.4	45.9	46.4	46.7	46.8	46.8	46.8	46.8	46.9	47.0	47.1
GE 3500	37.8	39.1	42.7	44.6	47.5	48.2	48.7	49.2	49.4	49.6	49.6	49.6	49.6	49.7	49.8	49.9
GE 3000	41.1	42.3	46.2	48.2	51.1	51.9	52.3	53.0	53.2	53.6	53.6	53.6	53.6	53.7	53.8	53.9
GE 2500	44.9	46.2	50.2	52.2	55.7	56.5	57.1	57.8	58.0	58.4	58.4	58.4	58.4	58.5	58.6	58.7
GE 2000	48.7	50.0	54.7	56.9	61.0	61.8	62.5	63.3	63.6	64.0	64.0	64.0	64.0	64.1	64.2	64.3
GE 1800	50.7	52.0	56.9	59.4	63.6	64.4	65.2	66.0	66.3	66.6	66.6	66.6	66.6	66.7	66.9	67.0
GE 1500	54.7	56.0	62.1	64.7	69.4	70.2	71.0	71.9	72.2	72.5	72.5	72.5	72.5	72.7	72.8	72.9
GE 1200	56.9	58.3	64.6	67.5	72.8	73.7	74.6	75.4	75.8	76.1	76.1	76.1	76.1	76.2	76.3	76.5
GE 1000	58.1	59.5	66.5	69.8	75.1	76.0	77.0	77.9	78.2	78.6	78.6	78.6	78.6	78.7	78.8	78.9
GE 900	58.4	59.7	67.3	70.5	76.0	76.9	78.0	78.9	79.2	79.6	79.6	79.6	79.6	79.7	79.8	79.9
GE 800	59.5	60.9	68.9	72.1	77.7	78.6	80.0	81.1	81.5	81.8	81.8	81.8	81.8	81.9	82.0	82.1
GE 700	60.0	61.5	69.8	73.1	79.7	80.7	82.3	83.6	83.9	84.4	84.4	84.4	84.4	84.5	84.6	84.7
GE 600	60.2	61.6	70.0	73.7	80.2	81.5	83.0	84.5	84.8	85.5	85.5	85.5	85.5	85.6	85.7	85.8
GE 500	60.8	62.3	71.3	75.1	82.4	83.6	85.3	86.7	87.2	88.1	88.3	88.3	88.4	88.5	88.6	88.7
GE 400	61.0	62.5	71.9	75.9	83.1	84.6	86.4	87.9	89.0	90.3	90.5	90.6	90.7	90.8	91.0	91.1
GE 300	61.0	62.5	71.9	76.0	83.5	84.9	87.1	89.1	90.2	91.7	92.0	92.1	92.2	92.3	92.4	92.6
GE 200	61.0	62.5	71.9	76.0	83.6	85.0	87.2	89.2	90.4	92.9	93.6	94.0	94.1	94.5	94.8	96.4
GE 100	61.0	62.5	71.9	76.0	83.6	85.0	87.2	89.2	90.5	93.2	94.2	94.5	94.8	95.3	96.0	99.2
GE 000	61.0	62.5	71.9	76.0	83.6	85.0	87.2	89.2	90.5	93.2	94.2	94.5	94.8	95.3	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.7	24.5	26.3	26.8	28.6	29.2	29.6	29.9	30.2	30.2	30.2	30.2	30.6	30.8	31.2	31.6
GE 20000	24.8	25.6	27.7	28.4	30.4	31.1	31.5	31.8	32.1	32.1	32.1	32.1	32.5	32.7	33.1	33.7
GE 18000	24.8	25.6	27.7	28.4	30.4	31.1	31.5	31.8	32.1	32.1	32.1	32.1	32.5	32.7	33.1	33.7
GE 16000	24.8	25.6	27.7	28.4	30.4	31.1	31.5	31.8	32.1	32.1	32.1	32.1	32.5	32.7	33.1	33.7
GE 14000	25.0	25.8	28.0	28.7	30.7	31.4	31.8	32.2	32.4	32.4	32.4	32.4	32.8	33.1	33.4	34.1
GE 12000	25.0	25.8	28.0	28.7	30.7	31.4	31.8	32.2	32.4	32.4	32.4	32.4	32.8	33.1	33.4	34.1
GE 10000	25.3	26.1	28.4	29.1	31.1	31.7	32.2	32.5	32.7	32.7	32.7	32.7	33.2	33.4	33.7	34.4
GE 9000	25.7	26.7	29.2	29.8	32.1	32.7	33.2	33.6	33.9	33.9	33.9	33.9	34.3	34.5	34.9	35.5
GE 8000	27.2	28.2	31.2	31.8	34.4	35.1	35.5	36.0	36.2	36.2	36.2	36.2	36.6	36.9	37.2	37.9
GE 7000	27.8	28.8	31.8	32.5	35.1	35.8	36.2	36.6	36.9	36.9	36.9	36.9	37.3	37.5	37.9	38.5
GE 6000	27.9	28.9	32.0	32.6	35.2	35.9	36.3	36.8	37.0	37.0	37.0	37.0	37.4	37.7	38.0	38.7
GE 5000	29.4	30.4	33.4	34.1	36.8	37.4	37.9	38.3	38.5	38.5	38.5	38.5	39.0	39.2	39.6	40.2
GE 4500	30.3	31.3	34.3	35.0	37.7	38.3	38.8	39.2	39.4	39.7	39.7	39.7	40.1	40.3	40.7	41.5
GE 4000	33.2	34.2	37.2	37.9	40.7	41.3	41.8	42.2	42.5	42.7	42.7	42.7	43.1	43.4	43.7	44.5
GE 3500	36.0	37.0	40.4	41.1	43.9	44.6	45.1	45.7	45.9	46.1	46.1	46.1	46.6	46.8	47.2	47.9
GE 3000	39.3	40.3	44.0	45.0	48.3	48.9	49.5	50.1	50.3	50.5	50.5	50.5	50.9	51.2	51.5	52.3
GE 2500	41.5	42.6	46.4	47.4	50.7	51.4	52.0	52.6	52.8	53.1	53.1	53.1	53.5	53.7	54.1	54.9
GE 2000	45.3	46.4	50.5	51.5	54.9	55.5	56.2	56.9	57.1	57.7	57.7	57.7	58.1	58.3	58.7	59.4
GE 1800	45.9	47.0	51.4	52.4	55.9	56.5	57.2	57.9	58.1	58.7	58.7	58.7	59.1	59.3	59.7	60.4
GE 1500	51.2	52.5	57.4	58.8	62.6	63.7	64.4	65.3	65.6	66.1	66.1	66.1	66.6	66.8	67.2	67.9
GE 1200	52.5	53.9	59.0	60.4	64.8	65.9	66.6	67.5	67.8	68.4	68.4	68.4	68.8	69.1	69.4	70.2
GE 1000	54.2	55.5	61.5	63.6	68.8	70.1	70.9	71.8	72.3	72.8	72.8	72.8	73.3	73.5	73.9	74.6
GE 900	54.6	56.0	61.9	64.1	69.6	70.9	71.8	72.8	73.3	73.9	73.9	73.9	74.3	74.5	74.9	75.6
GE 800	56.1	57.4	63.5	65.9	71.6	73.3	74.2	75.5	76.0	76.6	76.6	76.6	77.1	77.3	77.7	78.4
GE 700	58.3	59.7	66.6	69.5	76.1	77.8	78.8	80.4	80.9	81.6	81.6	81.6	82.0	82.2	82.6	83.4
GE 600	58.7	60.0	67.0	70.1	76.8	78.4	79.7	81.3	81.8	82.7	82.7	82.7	83.1	83.4	83.7	84.5
GE 500	59.4	60.8	67.9	71.1	78.1	80.1	81.6	83.2	83.8	84.8	84.9	84.9	85.4	85.6	85.9	86.7
GE 400	59.7	61.0	68.7	71.8	79.1	81.3	83.1	85.4	86.6	87.7	88.0	88.0	88.5	88.7	89.1	89.8
GE 300	59.8	61.1	68.8	72.0	79.4	81.7	83.6	86.3	87.8	89.5	89.8	89.8	90.3	90.5	90.9	91.7
GE 200	59.8	61.1	68.8	72.0	79.6	81.9	84.1	87.0	88.7	90.7	91.4	91.4	92.0	92.4	92.8	95.1
GE 100	59.8	61.1	68.8	72.1	79.7	82.0	84.2	87.2	88.9	91.7	92.6	92.8	93.5	94.2	95.0	99.4
GE 000	59.8	61.1	68.8	72.1	79.7	82.0	84.2	87.2	88.9	91.7	92.6	92.8	93.5	94.2	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 895

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.4	18.7	20.9	21.8	23.6	24.2	24.6	25.0	25.3	25.6	25.7	25.7	25.8	26.0	26.1	26.9
GE 20000	19.7	20.0	22.4	23.4	25.5	26.2	26.6	27.1	27.4	27.7	27.8	27.9	27.9	28.1	28.3	29.2
GE 18000	19.7	20.0	22.4	23.4	25.5	26.2	26.6	27.1	27.4	27.7	27.8	27.9	27.9	28.1	28.3	29.2
GE 16000	19.7	20.1	22.4	23.5	25.6	26.2	26.7	27.1	27.4	27.8	27.8	27.9	28.0	28.2	28.3	29.2
GE 14000	19.8	20.1	22.5	23.6	25.7	26.3	26.8	27.3	27.6	27.9	27.9	28.0	28.1	28.3	28.4	29.4
GE 12000	19.9	20.3	22.7	23.8	26.0	26.6	27.1	27.6	27.9	28.2	28.3	28.3	28.4	28.6	28.7	29.7
GE 10000	20.8	21.2	23.8	24.9	27.2	27.9	28.4	28.9	29.2	29.6	29.6	29.7	29.8	30.0	30.1	31.1
GE 9000	21.2	21.6	24.3	25.5	27.8	28.6	29.0	29.6	29.9	30.3	30.3	30.4	30.5	30.7	30.8	31.8
GE 8000	22.7	23.1	26.3	27.7	30.3	31.2	31.7	32.3	32.6	33.0	33.0	33.1	33.2	33.4	33.5	34.5
GE 7000	23.1	23.6	26.9	28.2	30.9	31.8	32.3	32.9	33.2	33.6	33.6	33.7	33.8	34.0	34.1	35.1
GE 6000	23.2	23.7	27.0	28.3	31.0	31.9	32.4	33.0	33.3	33.7	33.8	33.8	33.9	34.1	34.3	35.3
GE 5000	24.3	24.7	28.1	29.6	32.4	33.3	33.9	34.5	34.8	35.2	35.2	35.3	35.4	35.6	35.7	36.7
GE 4500	25.1	25.6	29.1	30.6	33.6	34.5	35.1	35.8	36.1	36.6	36.6	36.7	36.8	37.0	37.1	38.2
GE 4000	27.9	28.5	32.2	33.8	37.0	37.9	38.5	39.2	39.5	40.0	40.0	40.1	40.2	40.4	40.5	41.6
GE 3500	30.2	30.9	34.9	36.6	39.9	40.8	41.5	42.2	42.6	43.1	43.2	43.2	43.4	43.5	43.7	44.8
GE 3000	32.9	33.6	38.0	39.9	43.4	44.5	45.2	46.0	46.4	46.9	47.0	47.1	47.2	47.4	47.5	48.6
GE 2500	35.9	36.7	41.3	43.2	46.9	48.0	48.8	49.7	50.1	50.6	50.7	50.8	50.9	51.1	51.2	52.3
GE 2000	39.7	40.5	45.6	47.6	51.7	52.8	53.6	54.7	55.2	55.8	55.9	56.0	56.1	56.3	56.5	57.6
GE 1800	41.1	41.9	47.1	49.2	53.4	54.6	55.4	56.5	57.0	57.7	57.8	57.8	57.9	58.2	58.3	59.4
GE 1500	45.3	46.3	52.1	54.6	59.3	60.5	61.4	62.6	63.2	63.8	63.9	64.0	64.1	64.3	64.5	65.6
GE 1200	47.5	48.6	54.7	57.4	62.5	63.8	64.7	66.1	66.7	67.4	67.5	67.5	67.7	67.9	68.0	69.1
GE 1000	49.4	50.5	57.2	60.1	65.6	67.0	68.0	69.4	70.2	70.8	70.9	71.0	71.1	71.4	71.5	72.6
GE 900	50.0	51.1	58.0	61.0	66.8	68.3	69.5	71.0	71.7	72.4	72.5	72.6	72.7	73.0	73.1	74.2
GE 800	51.1	52.2	59.5	62.6	68.7	70.3	71.6	73.3	74.0	74.8	74.9	75.0	75.1	75.3	75.5	76.6
GE 700	51.9	53.0	60.8	64.1	70.9	72.6	74.0	75.9	76.8	77.5	77.7	77.7	77.9	78.1	78.2	79.4
GE 600	52.3	53.4	61.5	65.0	72.1	74.0	75.7	77.8	78.7	79.6	79.8	79.8	80.0	80.2	80.3	81.5
GE 500	52.7	53.8	62.3	65.9	73.5	75.6	77.6	80.0	81.2	82.3	82.5	82.6	82.7	83.0	83.2	84.3
GE 400	52.9	54.0	62.8	66.5	74.6	76.8	79.0	81.8	83.6	84.8	85.2	85.3	85.5	85.8	85.9	87.1
GE 300	52.9	54.1	62.9	66.8	75.1	77.4	79.8	82.9	85.1	86.8	87.3	87.5	87.8	88.2	88.5	90.1
GE 200	53.0	54.1	63.0	66.8	75.3	77.6	80.2	83.6	86.0	88.3	89.0	89.3	89.7	90.4	90.8	94.0
GE 100	53.0	54.1	63.0	66.8	75.3	77.7	80.3	83.7	86.4	88.9	90.0	90.5	91.1	92.1	93.0	99.3
GE 000	53.0	54.1	63.0	66.8	75.3	77.7	80.3	83.7	86.4	88.9	90.0	90.5	91.1	92.1	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7174

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.9	16.2	18.1	18.5	19.8	20.1	20.4	20.5	20.6	20.8	20.8	20.8	20.8	20.9	21.0	21.2
GE 20000	17.5	17.8	19.7	20.2	21.5	21.9	22.3	22.4	22.5	22.6	22.6	22.6	22.6	22.7	22.8	23.0
GE 18000	17.5	17.8	19.7	20.2	21.5	21.9	22.3	22.4	22.5	22.6	22.6	22.6	22.6	22.7	22.8	23.0
GE 16000	17.5	17.8	19.7	20.2	21.5	21.9	22.3	22.4	22.5	22.6	22.6	22.6	22.6	22.7	22.8	23.0
GE 14000	17.5	17.8	19.7	20.2	21.5	21.9	22.3	22.4	22.5	22.6	22.6	22.6	22.6	22.7	22.8	23.0
GE 12000	17.5	17.8	19.7	20.2	21.5	21.9	22.3	22.4	22.5	22.6	22.6	22.6	22.6	22.7	22.8	23.0
GE 10000	18.0	18.3	20.1	20.6	21.9	22.4	22.7	22.8	22.9	23.0	23.0	23.0	23.0	23.1	23.2	23.4
GE 9000	18.9	19.2	21.1	21.6	22.9	23.3	23.7	23.8	23.9	24.0	24.0	24.0	24.0	24.1	24.2	24.4
GE 8000	19.7	20.0	22.5	23.2	24.7	25.2	25.5	25.6	25.7	25.8	25.8	25.8	25.8	25.9	26.0	26.2
GE 7000	19.8	20.1	22.6	23.4	24.9	25.4	25.7	25.8	25.9	26.0	26.0	26.0	26.0	26.1	26.2	26.5
GE 6000	20.0	20.3	22.8	23.8	25.4	25.8	26.1	26.2	26.3	26.5	26.5	26.5	26.5	26.6	26.7	26.9
GE 5000	20.5	20.9	23.7	24.6	26.2	26.7	27.1	27.2	27.3	27.4	27.4	27.4	27.4	27.5	27.6	27.8
GE 4500	21.7	22.0	24.9	25.9	27.5	28.0	28.4	28.5	28.6	28.7	28.7	28.7	28.7	28.8	28.9	29.1
GE 4000	22.8	23.2	26.6	27.5	29.4	29.8	30.2	30.3	30.4	30.5	30.5	30.5	30.5	30.6	30.8	31.0
GE 3500	23.4	23.9	27.2	28.2	30.3	30.8	31.2	31.3	31.4	31.5	31.5	31.5	31.5	31.6	31.7	31.9
GE 3000	26.3	26.8	30.2	31.2	33.5	34.0	34.4	34.5	34.6	34.7	34.7	34.7	34.7	34.8	34.9	35.2
GE 2500	29.9	30.3	34.4	35.4	38.2	38.6	39.0	39.1	39.2	39.4	39.4	39.4	39.4	39.5	39.6	39.8
GE 2000	35.1	35.7	40.2	41.3	44.3	44.8	45.3	45.4	45.5	45.6	45.6	45.6	45.6	45.7	45.8	46.0
GE 1800	36.5	37.1	41.6	42.9	45.9	46.5	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.5	47.6	47.8
GE 1500	40.5	41.2	46.7	48.1	51.3	51.9	52.7	52.8	53.2	53.3	53.3	53.3	53.3	53.4	53.5	53.9
GE 1200	44.1	44.7	50.4	52.0	55.6	56.2	57.0	57.1	57.5	57.6	57.6	57.7	57.7	57.8	58.0	58.3
GE 1000	45.9	46.9	53.0	54.8	58.7	59.4	60.1	60.2	60.8	60.9	60.9	61.0	61.0	61.1	61.2	61.5
GE 900	46.8	47.7	54.0	55.9	59.9	60.5	61.3	61.4	61.9	62.0	62.0	62.2	62.2	62.3	62.4	62.7
GE 800	48.6	49.6	56.8	58.7	63.2	64.1	64.8	64.9	65.5	65.6	65.6	65.7	65.7	65.8	65.9	66.2
GE 700	49.4	50.3	58.0	60.1	65.6	66.6	67.4	68.0	68.5	68.6	68.6	68.7	68.7	68.8	68.9	69.2
GE 600	49.8	50.8	59.0	61.8	68.0	69.0	69.9	70.4	71.0	71.1	71.1	71.2	71.2	71.3	71.4	71.7
GE 500	50.3	51.3	60.3	63.4	70.6	71.8	73.3	74.1	74.9	75.1	75.1	75.2	75.2	75.3	75.4	75.7
GE 400	50.6	51.6	60.9	64.3	71.9	73.8	75.5	76.6	77.6	77.8	77.8	78.1	78.2	78.4	78.5	78.8
GE 300	50.8	51.7	61.4	65.5	73.9	76.0	78.3	79.8	81.0	81.7	81.7	82.2	82.6	82.8	82.9	83.5
GE 200	50.8	51.7	61.4	65.5	74.3	76.7	79.1	81.0	82.4	83.7	84.1	85.3	86.2	87.1	87.6	89.8
GE 100	50.9	51.8	61.5	65.6	74.5	77.0	79.6	81.5	83.0	85.3	86.9	88.4	89.7	91.2	92.7	98.9
GE 000	50.9	51.8	61.5	65.6	74.5	77.0	79.6	81.5	83.0	85.3	86.9	88.4	89.8	91.3	92.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.2	14.3	15.6	16.3	17.0	17.6	18.1	18.2	18.2	18.5	18.5	18.5	18.5	18.9	19.1	19.2
GE 20000	14.9	15.1	16.3	17.1	18.0	18.6	19.0	19.1	19.1	19.5	19.5	19.5	19.5	19.9	20.1	20.2
GE 18000	14.9	15.1	16.3	17.1	18.0	18.6	19.0	19.1	19.1	19.5	19.5	19.5	19.5	19.9	20.1	20.2
GE 16000	14.9	15.1	16.3	17.1	18.0	18.6	19.0	19.1	19.1	19.5	19.5	19.5	19.5	19.9	20.1	20.2
GE 14000	14.9	15.1	16.3	17.1	18.0	18.6	19.0	19.1	19.1	19.5	19.5	19.5	19.5	19.9	20.1	20.2
GE 12000	14.9	15.1	16.6	17.4	18.3	18.9	19.4	19.5	19.5	19.8	19.8	19.8	19.8	20.2	20.4	20.5
GE 10000	15.1	15.2	16.7	17.5	18.5	19.1	19.6	19.7	19.7	20.0	20.0	20.0	20.0	20.4	20.6	20.8
GE 9000	15.2	15.3	16.8	17.6	18.6	19.2	19.7	19.8	19.8	20.1	20.1	20.1	20.1	20.5	20.8	20.9
GE 8000	16.2	16.3	18.1	19.1	20.1	20.8	21.2	21.3	21.3	21.6	21.6	21.6	21.6	22.0	22.3	22.4
GE 7000	16.3	16.5	18.2	19.2	20.2	20.9	21.3	21.4	21.4	21.7	21.7	21.7	21.7	22.2	22.4	22.5
GE 6000	16.6	16.7	18.4	19.8	20.8	21.4	21.8	21.9	21.9	22.3	22.3	22.3	22.3	22.7	22.9	23.0
GE 5000	17.2	17.3	19.1	20.5	21.9	22.6	23.0	23.1	23.1	23.4	23.4	23.4	23.4	23.9	24.1	24.2
GE 4500	18.4	18.6	20.4	21.9	23.3	24.0	24.4	24.5	24.5	24.8	24.8	24.8	24.8	25.3	25.5	25.6
GE 4000	19.6	19.9	22.2	23.7	25.2	25.8	26.2	26.3	26.3	26.7	26.7	26.7	26.7	27.1	27.3	27.4
GE 3500	21.2	21.5	24.0	25.5	27.3	28.0	28.4	28.5	28.6	28.9	28.9	28.9	28.9	29.4	29.6	29.7
GE 3000	23.7	24.0	26.6	28.1	30.0	30.6	31.1	31.2	31.3	31.6	31.6	31.6	31.6	32.2	32.4	32.5
GE 2500	26.3	26.8	29.6	31.1	33.2	33.9	34.3	34.4	34.6	34.9	35.1	35.1	35.1	35.6	35.8	35.9
GE 2000	31.5	31.9	35.3	36.8	39.0	39.8	40.2	40.4	40.6	41.0	41.1	41.1	41.1	41.6	41.8	41.9
GE 1800	32.9	33.3	36.8	38.5	40.9	41.6	42.0	42.4	42.6	43.0	43.2	43.2	43.2	43.8	44.0	44.1
GE 1500	37.0	37.4	41.3	43.4	46.0	46.8	47.3	47.6	48.1	48.6	48.8	48.8	48.8	49.4	49.6	49.7
GE 1200	39.9	40.5	44.7	47.1	50.0	50.8	51.3	51.6	52.2	52.7	52.9	52.9	52.9	53.4	53.7	53.9
GE 1000	42.3	43.0	47.5	50.0	53.0	53.8	54.5	54.8	55.5	56.0	56.2	56.2	56.2	56.8	57.0	57.2
GE 900	42.9	43.7	48.5	51.1	54.2	54.9	55.8	56.1	56.8	57.3	57.5	57.5	57.5	58.1	58.3	58.5
GE 800	44.6	45.5	51.1	53.9	57.3	58.3	59.1	59.6	60.2	60.8	61.0	61.0	61.0	61.5	61.7	61.9
GE 700	45.9	46.8	53.4	56.5	60.6	61.6	62.5	63.0	63.7	64.2	64.4	64.4	64.5	65.1	65.3	65.5
GE 600	46.6	47.5	54.8	58.6	63.1	64.1	65.2	66.0	66.8	67.4	67.6	67.6	67.7	68.3	68.5	68.7
GE 500	47.1	48.1	56.0	60.3	66.8	68.2	69.7	70.6	71.7	72.4	72.6	72.6	72.7	73.3	73.5	73.8
GE 400	47.1	48.1	56.1	60.8	68.5	70.0	71.9	73.3	74.6	75.5	75.8	75.9	76.0	76.7	76.9	77.1
GE 300	47.1	48.1	56.3	61.3	69.8	72.0	74.6	76.6	78.2	79.7	80.0	80.1	80.2	81.1	81.3	81.5
GE 200	47.1	48.1	56.3	61.3	70.1	72.4	75.1	77.7	79.7	82.4	83.4	83.9	84.2	85.3	86.0	87.4
GE 100	47.1	48.1	56.3	61.3	70.1	72.5	75.2	78.0	80.0	83.9	85.9	86.6	87.4	90.2	92.7	98.9
GE 000	47.1	48.1	56.3	61.3	70.1	72.5	75.2	78.0	80.0	83.9	85.9	86.6	87.4	90.2	92.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.0	12.3	13.0	13.7	15.2	15.6	16.1	16.2	16.3	16.3	16.3	16.3	16.3	16.8	16.8	16.9
GE 20000	13.4	13.8	14.5	15.2	16.8	17.2	17.8	18.0	18.1	18.1	18.1	18.1	18.1	18.5	18.5	18.6
GE 18000	13.4	13.8	14.5	15.2	16.8	17.2	17.8	18.0	18.1	18.1	18.1	18.1	18.1	18.5	18.5	18.6
GE 16000	13.4	13.8	14.5	15.2	16.8	17.2	17.8	18.0	18.1	18.1	18.1	18.1	18.1	18.5	18.5	18.6
GE 14000	13.5	13.9	14.6	15.3	16.9	17.3	18.0	18.1	18.2	18.2	18.2	18.2	18.2	18.6	18.6	18.7
GE 12000	13.8	14.1	14.8	15.5	17.1	17.5	18.2	18.3	18.4	18.4	18.4	18.4	18.4	18.8	18.8	18.9
GE 10000	14.0	14.3	15.3	15.9	17.5	18.0	18.6	18.7	18.8	18.8	18.8	18.8	18.8	19.2	19.2	19.4
GE 9000	14.1	14.4	15.4	16.0	17.6	18.1	18.7	18.8	18.9	18.9	18.9	18.9	18.9	19.4	19.4	19.5
GE 8000	15.3	15.6	16.7	17.3	19.1	19.6	20.2	20.3	20.4	20.4	20.4	20.4	20.4	20.9	20.9	21.0
GE 7000	15.3	15.6	16.8	17.4	19.2	19.7	20.3	20.4	20.5	20.5	20.5	20.5	20.5	21.0	21.0	21.1
GE 6000	15.7	16.0	17.2	18.1	19.9	20.3	21.0	21.1	21.2	21.2	21.2	21.2	21.2	21.6	21.6	21.7
GE 5000	16.2	16.6	18.0	18.9	20.8	21.2	21.8	21.9	22.0	22.0	22.0	22.0	22.0	22.5	22.5	22.6
GE 4500	17.8	18.3	19.7	20.6	22.5	22.9	23.7	23.9	24.0	24.0	24.0	24.0	24.0	24.4	24.4	24.5
GE 4000	19.6	20.1	21.8	23.0	25.1	25.5	26.2	26.5	26.6	26.6	26.6	26.6	26.6	27.0	27.0	27.1
GE 3500	21.2	21.7	23.4	24.6	26.8	27.3	28.1	28.3	28.4	28.4	28.4	28.4	28.4	28.8	28.8	28.9
GE 3000	23.0	23.5	25.4	26.8	28.9	29.5	30.2	30.4	30.5	30.6	30.6	30.6	30.6	31.2	31.2	31.3
GE 2500	26.1	26.8	28.6	30.3	32.5	33.1	33.9	34.1	34.2	34.3	34.3	34.3	34.3	34.8	34.8	34.9
GE 2000	30.3	31.1	34.3	36.1	38.5	39.2	40.1	40.3	40.4	40.5	40.6	40.6	40.6	41.2	41.2	41.3
GE 1800	31.3	32.0	35.3	37.1	39.6	40.5	41.4	41.6	41.7	41.8	41.9	41.9	41.9	42.5	42.5	42.6
GE 1500	36.3	37.2	40.6	42.6	45.4	46.5	47.3	47.7	47.8	48.0	48.1	48.1	48.1	48.6	48.6	48.7
GE 1200	38.1	38.9	42.4	44.9	47.8	48.9	49.9	50.3	50.4	50.5	50.8	50.8	50.8	51.3	51.3	51.4
GE 1000	40.0	40.9	45.3	48.1	51.5	52.6	53.5	54.3	54.4	54.5	54.7	54.7	54.7	55.3	55.3	55.4
GE 900	41.8	42.7	47.4	50.2	53.9	54.9	55.9	56.7	56.8	57.0	57.2	57.2	57.2	57.7	57.7	57.8
GE 800	43.1	44.1	50.0	53.1	57.2	58.5	59.5	60.2	60.3	60.5	60.8	60.8	60.8	61.4	61.4	61.5
GE 700	44.5	45.5	52.0	55.3	59.7	61.0	61.9	62.7	62.8	63.0	63.2	63.2	63.2	63.9	63.9	64.0
GE 600	45.2	46.1	53.2	56.8	61.8	63.3	64.6	65.4	65.5	65.9	66.1	66.1	66.1	66.8	66.8	66.9
GE 500	46.0	47.0	54.4	58.9	64.7	66.8	68.4	69.5	69.6	70.3	70.5	70.5	70.6	71.3	71.3	71.4
GE 400	46.1	47.1	54.8	59.7	65.8	68.0	70.2	71.5	71.7	72.5	72.7	72.7	72.8	73.4	73.5	73.8
GE 300	46.2	47.2	55.5	60.3	67.5	70.1	73.0	74.6	75.4	76.7	77.0	77.1	77.2	78.0	78.4	78.6
GE 200	46.6	47.5	56.0	61.1	69.0	71.9	75.3	77.6	79.5	81.9	82.7	83.0	83.3	84.6	85.3	86.6
GE 100	46.6	47.5	56.0	61.2	69.1	72.0	75.4	78.2	80.2	83.7	84.7	85.5	86.5	88.8	92.2	98.5
GE 000	46.6	47.5	56.0	61.2	69.1	72.0	75.4	78.2	80.2	83.7	84.7	85.5	86.6	89.0	92.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.6	9.7	10.9	11.3	12.5	12.8	12.9	13.0	13.0	13.0	13.1	13.1	13.1	13.2	13.4	14.1
GE 20000	11.4	11.5	13.1	13.9	15.4	15.8	15.9	16.0	16.0	16.1	16.2	16.2	16.2	16.3	16.6	17.3
GE 18000	11.4	11.5	13.1	13.9	15.4	15.8	15.9	16.0	16.0	16.1	16.2	16.2	16.2	16.3	16.6	17.3
GE 16000	11.4	11.5	13.1	13.9	15.4	15.8	15.9	16.0	16.0	16.1	16.2	16.2	16.2	16.3	16.6	17.3
GE 14000	11.6	11.7	13.3	14.1	15.6	16.0	16.1	16.2	16.2	16.3	16.5	16.5	16.5	16.6	16.8	17.5
GE 12000	11.8	11.9	13.8	14.5	16.0	16.5	16.6	16.7	16.7	16.8	16.9	16.9	16.9	17.0	17.2	18.0
GE 10000	12.4	12.5	14.4	15.4	16.9	17.3	17.4	17.5	17.5	17.6	17.7	17.7	17.7	17.8	18.1	18.8
GE 9000	13.0	13.1	15.5	16.5	18.0	18.4	18.5	18.6	18.6	18.7	18.8	18.8	18.8	18.9	19.1	19.9
GE 8000	13.9	14.0	16.9	18.1	19.7	20.2	20.3	20.4	20.6	20.8	20.9	20.9	20.9	21.0	21.2	21.9
GE 7000	14.4	14.5	17.4	18.6	20.2	20.8	20.9	21.0	21.2	21.3	21.4	21.4	21.4	21.5	21.7	22.5
GE 6000	14.4	14.5	17.4	18.6	20.3	20.9	21.0	21.1	21.3	21.4	21.5	21.5	21.5	21.6	21.8	22.6
GE 5000	14.9	15.1	18.1	19.2	21.2	21.7	21.8	21.9	22.2	22.3	22.4	22.4	22.4	22.5	22.7	23.4
GE 4500	15.5	15.6	18.7	19.9	21.9	22.7	22.8	22.9	23.1	23.2	23.3	23.3	23.3	23.4	23.7	24.4
GE 4000	17.5	17.6	20.8	22.2	24.5	25.3	25.5	25.6	25.8	25.9	26.0	26.0	26.0	26.1	26.3	27.1
GE 3500	18.1	18.2	21.3	22.7	25.1	25.8	26.0	26.2	26.5	26.6	26.7	26.7	26.7	26.8	27.0	27.7
GE 3000	20.2	20.3	23.5	24.9	27.5	28.3	28.5	28.7	28.9	29.0	29.1	29.1	29.1	29.2	29.5	30.2
GE 2500	23.0	23.2	27.0	28.6	31.4	32.4	32.7	33.1	33.3	33.5	33.7	33.7	33.7	33.8	34.0	34.7
GE 2000	26.0	26.3	31.1	33.0	36.0	37.4	38.1	38.6	38.9	39.1	39.2	39.2	39.2	39.4	39.6	40.3
GE 1800	26.3	26.7	31.4	33.3	36.5	38.0	38.7	39.2	39.6	39.8	39.9	39.9	39.9	40.0	40.2	41.0
GE 1500	30.2	30.6	35.8	38.0	41.9	43.4	44.4	44.9	45.3	45.5	45.6	45.6	45.6	45.7	45.9	46.7
GE 1200	33.7	34.3	40.3	42.7	47.1	48.8	50.3	51.1	51.5	51.7	51.8	51.8	51.8	51.9	52.2	52.9
GE 1000	36.3	37.0	44.4	47.0	51.5	53.7	55.4	56.5	56.9	57.3	57.4	57.4	57.4	57.5	57.7	58.5
GE 900	36.9	37.6	45.3	47.8	52.6	54.7	56.5	57.6	58.1	58.5	58.6	58.6	58.6	58.7	58.9	59.7
GE 800	37.5	38.3	46.6	49.2	54.2	56.5	58.3	59.7	60.1	60.6	60.8	60.8	60.8	60.9	61.1	61.8
GE 700	38.2	38.9	47.3	50.2	55.4	57.8	59.8	61.5	62.0	62.6	62.8	62.8	62.8	63.0	63.2	64.0
GE 600	38.4	39.1	47.8	51.0	56.6	59.4	61.8	63.7	64.2	64.9	65.2	65.2	65.2	65.4	65.6	66.3
GE 500	38.7	39.5	49.0	52.6	58.6	61.6	64.7	67.4	68.0	69.2	69.8	69.8	69.8	70.0	70.2	71.0
GE 400	38.8	39.6	49.5	53.3	59.7	63.0	67.0	69.9	70.8	72.4	73.0	73.0	73.1	73.3	73.5	74.3
GE 300	38.8	39.6	49.9	53.9	60.3	63.9	68.7	72.6	73.8	76.2	77.0	77.0	77.4	77.8	78.3	79.4
GE 200	38.8	39.6	49.9	53.9	60.5	64.2	69.0	73.8	75.6	78.9	80.3	80.8	81.5	82.7	83.4	86.1
GE 100	38.8	39.6	49.9	53.9	60.5	64.2	69.0	73.8	75.6	79.0	80.8	82.2	83.8	86.6	88.3	98.8
GE 000	38.8	39.6	49.9	53.9	60.5	64.2	69.0	73.8	75.6	79.0	80.8	82.2	83.8	86.6	88.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.2	9.4	11.6	12.6	13.3	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.7
GE 20000	11.8	11.9	14.8	15.9	16.9	17.1	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.5	17.8
GE 18000	11.8	11.9	14.8	15.9	16.9	17.1	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.5	17.8
GE 16000	11.8	11.9	14.8	15.9	16.9	17.1	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.5	17.8
GE 14000	11.8	11.9	14.8	15.9	16.9	17.1	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.5	17.8
GE 12000	12.4	12.5	15.6	16.7	17.6	17.8	18.0	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.3	18.6
GE 10000	13.0	13.1	16.6	17.8	18.8	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.5	19.8
GE 9000	13.1	13.2	16.8	18.1	19.0	19.2	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.7	20.0
GE 8000	14.0	14.1	17.6	18.9	20.3	20.6	20.8	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.5	21.8
GE 7000	14.2	14.3	18.1	19.4	20.8	21.1	21.2	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.9	22.3
GE 6000	14.3	14.4	18.2	19.5	21.0	21.3	21.4	21.7	21.7	21.8	21.8	21.8	21.8	21.8	22.2	22.5
GE 5000	14.8	14.9	18.8	20.1	21.6	21.9	22.2	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.9	23.2
GE 4500	14.9	15.1	18.9	20.2	21.9	22.3	22.5	22.8	22.8	22.9	22.9	22.9	22.9	22.9	23.2	23.5
GE 4000	17.1	17.2	21.5	23.1	24.9	25.3	25.5	25.8	25.8	25.9	25.9	25.9	25.9	25.9	26.2	26.6
GE 3500	18.0	18.2	22.7	24.4	26.2	26.6	26.8	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.5	27.8
GE 3000	20.5	21.0	25.7	27.4	29.2	29.6	29.8	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.6	31.0
GE 2500	23.5	24.1	29.7	31.4	33.2	34.0	34.2	34.6	34.6	34.7	34.7	34.7	34.7	34.7	35.1	35.4
GE 2000	28.4	29.0	35.1	37.1	39.7	40.8	41.1	41.5	41.7	42.0	42.0	42.0	42.0	42.0	42.4	42.7
GE 1800	29.1	29.9	36.1	38.2	40.8	42.0	42.4	42.8	43.0	43.3	43.3	43.3	43.3	43.3	43.7	44.0
GE 1500	33.9	34.6	41.5	43.7	47.1	48.4	48.7	49.2	49.5	49.8	49.8	49.8	49.8	49.8	50.1	50.4
GE 1200	37.7	38.6	46.8	48.9	52.6	54.1	54.5	55.3	55.5	55.8	55.8	55.9	55.9	55.9	56.2	56.6
GE 1000	40.1	41.1	49.9	52.4	56.7	58.4	59.1	60.1	60.3	60.8	60.8	60.9	60.9	60.9	61.2	61.5
GE 900	40.4	41.4	50.5	53.2	57.7	59.9	60.9	61.8	62.0	62.5	62.5	62.6	62.6	62.6	62.9	63.2
GE 800	42.0	43.2	52.6	55.4	60.1	62.5	63.8	64.8	65.2	65.6	65.8	66.0	66.0	66.0	66.3	66.7
GE 700	42.6	43.8	53.4	56.6	62.3	64.7	66.2	67.3	67.7	68.3	68.5	68.7	68.7	68.7	69.0	69.4
GE 600	42.9	44.1	53.9	57.0	63.0	65.6	67.1	68.2	68.8	69.5	69.8	70.0	70.0	70.0	70.3	70.6
GE 500	43.7	44.9	55.3	58.6	65.5	68.2	70.5	72.6	73.5	74.4	74.7	75.3	75.5	75.6	76.0	76.3
GE 400	43.9	45.2	55.7	59.2	67.0	70.2	73.0	75.7	77.0	78.6	79.0	79.6	79.8	79.9	80.3	80.6
GE 300	43.9	45.2	56.0	59.8	67.6	71.2	74.3	78.1	79.7	82.4	83.0	83.5	83.8	84.0	84.7	85.8
GE 200	43.9	45.2	56.0	59.8	67.6	71.2	74.3	78.2	80.2	83.8	85.6	86.7	87.3	87.7	88.6	91.5
GE 100	43.9	45.2	56.0	59.8	67.6	71.2	74.3	78.2	80.3	84.4	86.2	87.5	88.5	89.0	90.6	99.2
GE 000	43.9	45.2	56.0	59.8	67.6	71.2	74.3	78.2	80.3	84.4	86.2	87.5	88.5	89.0	90.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.1	11.6	12.9	13.8	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7
GE 20000	13.5	14.1	15.6	16.5	17.5	17.5	17.8	17.8	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0
GE 18000	13.5	14.1	15.6	16.5	17.5	17.5	17.8	17.8	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0
GE 16000	13.5	14.1	15.6	16.5	17.5	17.5	17.8	17.8	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0
GE 14000	13.5	14.1	15.6	16.5	17.5	17.5	17.8	17.8	17.9	17.9	17.9	18.0	18.0	18.0	18.0	18.0
GE 12000	14.1	14.7	16.5	17.4	18.5	18.5	18.7	18.7	18.8	18.8	18.8	18.9	18.9	18.9	18.9	18.9
GE 10000	15.9	16.6	18.3	19.3	20.3	20.3	20.6	20.6	20.7	20.8	20.8	20.9	20.9	20.9	20.9	20.9
GE 9000	16.0	16.7	18.4	19.9	21.0	21.0	21.2	21.2	21.5	21.6	21.6	21.7	21.7	21.7	21.7	21.7
GE 8000	17.8	18.4	20.3	22.0	23.6	23.6	23.8	23.9	24.2	24.3	24.3	24.4	24.4	24.4	24.4	24.4
GE 7000	17.8	18.4	20.3	22.0	23.6	23.6	23.8	23.9	24.2	24.3	24.3	24.4	24.4	24.4	24.4	24.4
GE 6000	18.0	18.6	20.6	22.2	23.9	23.9	24.1	24.3	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9
GE 5000	18.9	19.6	21.5	23.1	24.9	25.1	25.4	25.6	25.9	26.0	26.0	26.2	26.2	26.2	26.2	26.2
GE 4500	19.5	20.1	22.2	23.9	25.7	25.9	26.3	26.8	27.1	27.2	27.2	27.3	27.3	27.3	27.3	27.3
GE 4000	21.7	22.5	25.0	26.9	28.8	29.1	29.4	29.9	30.2	30.4	30.4	30.5	30.5	30.5	30.5	30.5
GE 3500	23.6	24.3	26.9	29.0	31.0	31.2	31.5	32.1	32.4	32.5	32.5	32.6	32.6	32.6	32.6	32.6
GE 3000	25.4	26.3	29.3	31.4	33.5	33.7	34.0	34.6	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1
GE 2500	30.4	31.3	34.8	36.9	39.1	39.5	39.9	40.9	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4
GE 2000	35.1	36.2	40.2	42.7	44.9	45.5	46.1	47.1	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7
GE 1800	36.0	37.0	41.4	44.3	46.8	47.6	48.1	49.2	49.5	49.6	49.6	49.7	49.7	49.7	49.7	49.7
GE 1500	40.0	41.1	46.8	50.6	53.6	54.5	55.2	56.3	56.6	56.8	56.8	57.1	57.1	57.1	57.1	57.1
GE 1200	42.3	43.5	50.4	54.3	57.6	58.6	59.6	60.7	61.0	61.2	61.2	61.5	61.5	61.5	61.5	61.5
GE 1000	44.2	45.4	53.4	57.5	61.2	62.4	63.5	64.6	65.0	65.3	65.3	65.6	65.6	65.6	65.6	65.6
GE 900	44.8	46.0	54.4	58.8	62.8	64.2	65.2	66.3	66.7	67.3	67.3	67.5	67.5	67.5	67.5	67.5
GE 800	45.9	47.0	55.8	60.6	65.0	66.4	67.8	68.9	69.4	70.3	70.3	70.5	70.6	70.7	70.8	70.8
GE 700	45.9	47.0	56.5	61.7	66.4	67.9	69.3	70.5	71.0	71.9	71.9	72.1	72.2	72.3	72.4	72.4
GE 600	46.1	47.3	56.7	62.0	67.0	68.7	70.6	72.2	72.8	73.6	73.6	74.0	74.1	74.2	74.3	74.3
GE 500	46.3	47.5	57.3	62.8	68.2	70.6	73.2	75.2	76.2	77.4	77.5	77.8	77.9	78.0	78.4	78.4
GE 400	46.5	47.7	57.6	63.2	68.9	71.7	74.4	77.2	78.4	80.3	80.5	80.8	80.9	81.1	81.5	81.6
GE 300	46.5	47.7	57.7	63.4	69.3	72.2	75.5	79.2	80.7	83.1	83.4	83.7	83.9	84.0	84.5	84.9
GE 200	46.5	47.7	57.7	63.4	69.3	72.4	75.9	80.2	81.7	85.0	85.8	86.4	86.9	87.3	88.3	90.0
GE 100	46.5	47.7	57.7	63.4	69.3	72.4	75.9	80.2	81.8	86.0	87.0	87.9	88.6	89.7	91.5	99.5
GE 000	46.5	47.7	57.7	63.4	69.3	72.4	75.9	80.2	81.8	86.0	87.0	87.9	88.6	89.7	91.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.5	14.9	16.2	17.0	17.3	17.7	17.7	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4
GE 20000	16.1	16.6	18.1	18.8	19.1	19.8	19.8	20.3	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 18000	16.1	16.6	18.1	18.8	19.1	19.8	19.8	20.3	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 16000	16.1	16.6	18.1	18.8	19.1	19.8	19.8	20.3	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 14000	16.1	16.6	18.1	18.8	19.1	19.8	19.8	20.3	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 12000	16.2	16.7	18.2	18.9	19.2	19.9	19.9	20.4	20.4	20.8	20.8	20.8	20.8	20.8	20.8	20.8
GE 10000	17.8	18.3	19.8	20.5	20.9	21.5	21.5	22.0	22.0	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 9000	19.1	19.6	21.3	22.4	22.7	23.3	23.3	23.9	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 8000	20.2	20.6	22.4	23.4	24.1	24.8	24.8	25.4	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0
GE 7000	20.3	20.8	22.5	23.5	24.2	24.9	25.1	25.6	25.9	26.2	26.2	26.2	26.2	26.2	26.2	26.2
GE 6000	20.4	20.9	22.6	23.7	24.3	25.1	25.2	25.7	26.0	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 5000	22.0	22.5	24.2	25.3	25.9	26.7	26.8	27.3	27.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0
GE 4500	22.8	23.4	25.2	26.2	27.1	27.8	28.0	28.5	28.8	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 4000	26.1	27.0	28.9	30.0	31.2	31.9	32.0	32.7	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 3500	27.8	28.7	30.6	31.7	32.9	33.7	33.8	34.4	34.7	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 3000	31.0	31.8	34.1	35.4	36.6	37.5	37.6	38.3	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 2500	33.9	34.8	37.1	38.8	40.4	41.4	41.6	42.3	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 2000	38.3	39.5	42.0	44.3	46.0	47.0	47.4	48.2	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 1800	40.0	41.2	43.9	46.2	48.0	48.9	49.4	50.1	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 1500	45.9	47.3	50.6	53.3	55.3	56.3	56.9	57.6	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 1200	48.1	49.6	53.4	56.3	58.4	59.5	60.1	61.1	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 1000	50.1	51.6	56.0	58.9	61.0	62.0	62.8	64.0	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 900	51.1	52.6	57.4	60.3	62.4	63.4	64.2	65.4	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 800	52.0	53.5	59.1	62.4	65.2	66.2	67.2	68.5	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 700	53.1	54.6	61.3	64.7	68.5	69.8	71.1	72.6	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 600	53.3	54.8	61.7	65.6	69.5	70.8	72.0	74.2	75.1	76.0	76.0	76.0	76.1	76.1	76.1	76.1
GE 500	53.7	55.2	62.2	66.2	71.5	73.1	74.6	76.9	78.0	79.1	79.1	79.1	79.2	79.2	79.2	79.5
GE 400	54.1	55.6	62.8	67.1	73.0	74.6	76.3	79.0	80.3	82.0	82.0	82.0	82.2	82.2	82.2	82.4
GE 300	54.1	55.6	62.8	67.1	73.2	75.1	76.8	80.3	81.8	83.8	83.8	83.9	84.0	84.1	84.1	84.6
GE 200	54.1	55.6	62.9	67.2	73.4	75.4	77.1	81.1	82.8	86.2	86.8	87.1	87.2	87.6	87.7	89.2
GE 100	54.1	55.6	62.9	67.2	73.5	75.6	77.4	81.4	83.4	87.8	88.8	89.5	90.3	91.1	92.2	98.7
GE 000	54.1	55.6	62.9	67.2	73.5	75.6	77.4	81.4	83.4	87.8	88.8	89.5	90.3	91.1	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.2	15.5	17.3	17.4	18.5	18.8	18.8	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
GE 20000	16.5	16.8	18.7	18.8	20.0	20.4	20.4	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	21.0
GE 18000	16.5	16.8	18.7	18.8	20.0	20.4	20.4	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	21.0
GE 16000	16.5	16.8	18.7	18.8	20.0	20.4	20.4	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	21.0
GE 14000	16.5	16.8	18.7	18.8	20.0	20.4	20.4	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	21.0
GE 12000	16.8	17.1	19.0	19.1	20.3	20.8	20.8	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.3
GE 10000	17.4	17.7	19.7	19.8	21.0	21.4	21.4	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.9
GE 9000	19.2	19.6	21.5	21.6	22.8	23.2	23.2	23.5	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.8
GE 8000	20.5	20.9	22.9	23.2	24.7	25.3	25.3	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.8
GE 7000	20.5	20.9	22.9	23.3	24.8	25.4	25.4	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.9
GE 6000	20.5	20.9	22.9	23.4	24.9	25.5	25.5	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.1
GE 5000	20.8	21.1	23.1	23.7	25.2	25.7	25.7	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.3
GE 4500	21.7	22.0	24.3	24.8	26.3	26.9	26.9	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.5
GE 4000	24.3	24.7	27.1	27.6	29.8	30.3	30.3	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	31.0
GE 3500	25.9	26.5	28.9	29.6	31.7	32.3	32.3	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.9
GE 3000	28.1	28.6	31.2	32.0	34.2	34.7	34.7	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.4
GE 2500	31.1	31.6	34.4	35.6	37.8	38.5	38.5	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.1
GE 2000	36.0	36.6	39.8	41.2	43.7	44.4	44.4	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.3
GE 1800	38.1	38.6	41.9	43.3	45.8	46.6	46.6	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.4
GE 1500	43.9	44.4	48.7	50.4	53.4	54.2	54.2	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.1
GE 1200	47.2	47.7	52.5	54.2	57.3	58.1	58.2	58.6	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.2
GE 1000	49.5	50.0	55.5	57.5	60.9	61.9	62.3	62.9	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.9
GE 900	50.4	51.0	56.9	58.9	62.3	63.3	63.7	64.5	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.6
GE 800	51.4	51.9	59.0	61.3	64.8	65.9	66.2	67.1	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.3
GE 700	52.9	53.4	60.9	63.5	67.8	68.9	69.7	71.0	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.6
GE 600	53.1	53.8	61.4	64.2	69.5	70.6	71.5	72.9	74.0	74.6	74.6	74.6	74.6	74.6	74.6	74.7
GE 500	53.5	54.2	62.3	65.5	71.6	72.9	74.6	76.3	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.5
GE 400	53.9	54.5	62.7	66.2	72.9	74.7	76.6	78.5	79.8	80.6	80.8	80.9	80.9	80.9	80.9	81.1
GE 300	53.9	54.5	62.7	66.3	73.3	75.3	77.3	79.5	81.6	82.8	83.0	83.1	83.1	83.3	83.3	83.9
GE 200	53.9	54.5	62.7	66.3	73.7	75.8	78.1	81.1	83.4	85.3	85.9	86.5	87.2	88.3	88.6	90.4
GE 100	53.9	54.5	62.7	66.3	73.9	76.2	78.5	81.5	83.9	86.6	88.1	88.9	90.3	92.4	93.8	99.0
GE 000	53.9	54.5	62.7	66.3	73.9	76.2	78.5	81.5	83.9	86.6	88.1	89.0	90.6	92.7	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.7	13.0	14.5	15.1	16.0	16.3	16.5	16.7	16.7	16.8	16.8	16.8	16.8	17.0	17.0	17.2
GE 20000	14.4	14.7	16.4	17.0	18.1	18.6	18.8	18.9	19.0	19.1	19.1	19.1	19.1	19.3	19.4	19.6
GE 18000	14.4	14.7	16.4	17.0	18.1	18.6	18.8	18.9	19.0	19.1	19.1	19.1	19.1	19.3	19.4	19.6
GE 16000	14.4	14.7	16.4	17.0	18.1	18.6	18.8	18.9	19.0	19.1	19.1	19.1	19.1	19.3	19.4	19.6
GE 14000	14.4	14.7	16.4	17.1	18.2	18.6	18.8	19.0	19.0	19.2	19.2	19.2	19.2	19.3	19.4	19.6
GE 12000	14.7	15.0	16.8	17.5	18.6	19.0	19.2	19.4	19.4	19.5	19.6	19.6	19.6	19.7	19.8	20.0
GE 10000	15.4	15.7	17.6	18.4	19.5	19.9	20.1	20.3	20.3	20.5	20.5	20.5	20.5	20.6	20.7	20.9
GE 9000	16.1	16.4	18.3	19.2	20.3	20.7	21.0	21.1	21.2	21.4	21.4	21.4	21.4	21.5	21.6	21.8
GE 8000	17.2	17.5	19.7	20.7	22.0	22.5	22.7	22.9	23.1	23.2	23.2	23.3	23.3	23.4	23.5	23.7
GE 7000	17.3	17.6	19.8	20.9	22.2	22.7	22.9	23.2	23.3	23.4	23.5	23.5	23.5	23.6	23.7	23.9
GE 6000	17.5	17.8	20.0	21.1	22.6	23.0	23.3	23.5	23.6	23.8	23.8	23.8	23.8	23.9	24.0	24.3
GE 5000	18.2	18.5	20.8	21.9	23.5	23.9	24.2	24.5	24.6	24.7	24.8	24.8	24.8	24.9	25.0	25.2
GE 4500	19.0	19.4	21.8	22.9	24.5	25.1	25.4	25.6	25.8	25.9	25.9	26.0	26.0	26.1	26.2	26.4
GE 4000	21.1	21.5	24.2	25.5	27.4	27.9	28.2	28.5	28.6	28.8	28.8	28.8	28.8	28.9	29.0	29.2
GE 3500	22.4	22.9	25.6	27.0	28.9	29.4	29.7	30.1	30.2	30.4	30.4	30.4	30.4	30.5	30.6	30.8
GE 3000	24.8	25.3	28.2	29.7	31.7	32.2	32.5	32.9	33.0	33.2	33.2	33.2	33.2	33.4	33.5	33.7
GE 2500	28.0	28.6	31.9	33.5	35.7	36.4	36.8	37.2	37.3	37.5	37.5	37.6	37.6	37.7	37.8	38.0
GE 2000	32.6	33.3	37.2	39.1	41.5	42.4	42.8	43.3	43.5	43.7	43.8	43.8	43.8	43.9	44.1	44.3
GE 1800	33.8	34.5	38.6	40.5	43.0	44.0	44.4	44.9	45.2	45.4	45.4	45.4	45.4	45.6	45.7	45.9
GE 1500	38.5	39.2	44.0	46.3	49.3	50.2	50.8	51.4	51.7	51.9	52.0	52.0	52.0	52.1	52.3	52.5
GE 1200	41.4	42.2	47.6	50.1	53.3	54.4	55.1	55.7	56.1	56.3	56.4	56.5	56.5	56.6	56.7	57.0
GE 1000	43.6	44.5	50.6	53.3	56.8	58.0	58.9	59.7	60.1	60.5	60.5	60.6	60.6	60.7	60.9	61.1
GE 900	44.4	45.3	51.8	54.5	58.2	59.5	60.4	61.2	61.7	62.1	62.2	62.2	62.2	62.4	62.5	62.7
GE 800	45.7	46.6	53.9	56.8	60.9	62.3	63.3	64.2	64.7	65.2	65.3	65.4	65.4	65.6	65.7	65.9
GE 700	46.6	47.5	55.4	58.6	63.3	64.8	66.0	67.1	67.6	68.1	68.2	68.3	68.3	68.5	68.7	68.9
GE 600	46.9	47.9	56.1	59.6	64.8	66.4	67.8	69.1	69.8	70.4	70.5	70.6	70.6	70.8	71.0	71.2
GE 500	47.4	48.4	57.1	61.0	67.2	69.1	71.1	72.8	73.7	74.5	74.7	74.8	74.9	75.1	75.3	75.6
GE 400	47.6	48.7	57.5	61.7	68.5	70.7	73.1	75.2	76.3	77.5	77.7	77.9	78.0	78.2	78.4	78.7
GE 300	47.7	48.7	57.8	62.2	69.4	72.0	74.8	77.6	79.0	80.8	81.1	81.3	81.5	81.9	82.2	82.8
GE 200	47.7	48.7	57.9	62.3	69.8	72.5	75.5	78.8	80.7	83.4	84.3	84.9	85.5	86.3	86.9	88.9
GE 100	47.7	48.7	57.9	62.3	69.8	72.6	75.7	79.1	81.0	84.6	86.0	87.1	88.1	89.9	91.7	99.0
GE 000	47.7	48.7	57.9	62.3	69.8	72.6	75.7	79.1	81.0	84.6	86.0	87.1	88.2	89.9	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.5	25.9	28.8	29.7	31.4	31.9	32.3	32.7	32.9	33.1	33.2	33.3	33.3	33.4	33.5	33.8
GE 20000	29.2	29.7	33.1	34.1	36.1	36.7	37.3	37.7	37.9	38.2	38.3	38.3	38.4	38.5	38.6	39.0
GE 18000	29.2	29.8	33.2	34.2	36.2	36.8	37.4	37.8	38.0	38.3	38.4	38.4	38.5	38.6	38.7	39.1
GE 16000	29.3	29.8	33.2	34.2	36.2	36.9	37.4	37.8	38.1	38.3	38.4	38.4	38.5	38.6	38.7	39.1
GE 14000	29.4	29.9	33.3	34.4	36.4	37.0	37.6	38.0	38.2	38.5	38.6	38.6	38.7	38.8	38.9	39.3
GE 12000	29.9	30.5	33.9	35.0	37.1	37.8	38.3	38.8	39.0	39.2	39.3	39.4	39.5	39.6	39.7	40.1
GE 10000	31.6	32.2	35.9	37.1	39.3	40.0	40.6	41.1	41.4	41.6	41.7	41.8	41.8	41.9	42.1	42.5
GE 9000	32.4	33.0	36.8	38.0	40.3	41.0	41.6	42.2	42.4	42.7	42.8	42.8	42.9	43.0	43.1	43.5
GE 8000	34.4	35.1	39.3	40.6	43.1	43.9	44.5	45.1	45.4	45.7	45.8	45.8	45.9	46.0	46.1	46.6
GE 7000	34.9	35.6	39.8	41.1	43.7	44.5	45.2	45.8	46.0	46.3	46.4	46.5	46.6	46.7	46.8	47.2
GE 6000	35.2	35.9	40.2	41.5	44.1	44.9	45.6	46.2	46.5	46.8	46.9	46.9	47.0	47.1	47.2	47.7
GE 5000	37.0	37.8	42.3	43.6	46.4	47.2	47.9	48.5	48.8	49.1	49.2	49.3	49.4	49.5	49.6	50.0
GE 4500	38.5	39.3	43.9	45.4	48.2	49.1	49.8	50.5	50.8	51.1	51.2	51.3	51.3	51.4	51.6	52.0
GE 4000	41.8	42.7	47.6	49.2	52.2	53.1	53.9	54.6	54.9	55.3	55.4	55.4	55.5	55.6	55.8	56.2
GE 3500	44.3	45.2	50.4	52.1	55.2	56.1	57.0	57.7	58.1	58.4	58.6	58.6	58.7	58.8	58.9	59.4
GE 3000	47.7	48.7	54.3	56.0	59.3	60.3	61.3	62.0	62.4	62.8	62.9	63.0	63.0	63.2	63.3	63.8
GE 2500	50.7	51.8	57.7	59.5	63.1	64.1	65.1	65.9	66.3	66.7	66.8	66.9	66.9	67.1	67.2	67.7
GE 2000	53.9	55.0	61.4	63.4	67.2	68.3	69.4	70.3	70.7	71.1	71.3	71.4	71.4	71.6	71.7	72.2
GE 1800	54.7	55.8	62.4	64.4	68.3	69.5	70.5	71.4	71.9	72.3	72.5	72.5	72.6	72.7	72.9	73.4
GE 1500	57.8	59.0	66.1	68.4	72.7	74.0	75.1	76.2	76.7	77.1	77.3	77.4	77.5	77.6	77.7	78.2
GE 1200	59.5	60.8	68.3	70.8	75.4	76.8	78.1	79.2	79.7	80.2	80.4	80.5	80.6	80.7	80.8	81.3
GE 1000	60.8	62.1	70.1	72.7	77.7	79.2	80.5	81.8	82.4	82.9	83.1	83.2	83.3	83.4	83.6	84.1
GE 900	61.2	62.5	70.7	73.4	78.5	80.0	81.4	82.7	83.3	83.9	84.1	84.2	84.3	84.4	84.6	85.0
GE 800	61.8	63.1	71.6	74.4	79.8	81.4	82.9	84.3	84.9	85.6	85.8	85.9	86.0	86.1	86.3	86.8
GE 700	62.3	63.6	72.4	75.4	81.1	82.8	84.4	85.9	86.7	87.4	87.6	87.7	87.8	87.9	88.1	88.6
GE 600	62.5	63.8	72.8	75.9	81.9	83.6	85.3	86.9	87.7	88.5	88.8	88.9	89.0	89.1	89.2	89.7
GE 500	62.7	64.0	73.2	76.5	82.9	84.8	86.7	88.5	89.4	90.3	90.6	90.7	90.9	91.0	91.2	91.7
GE 400	62.8	64.1	73.4	76.8	83.3	85.3	87.4	89.4	90.5	91.6	91.9	92.1	92.2	92.4	92.6	93.1
GE 300	62.8	64.1	73.5	76.9	83.6	85.8	87.9	90.2	91.4	92.8	93.3	93.4	93.6	93.8	94.1	94.7
GE 200	62.8	64.1	73.5	76.9	83.8	85.9	88.2	90.6	92.0	93.7	94.3	94.6	94.9	95.2	95.5	96.7
GE 100	62.8	64.1	73.5	76.9	83.8	86.0	88.2	90.7	92.1	94.0	94.8	95.2	95.6	96.1	96.8	99.7
GE 000	62.8	64.1	73.5	76.9	83.8	86.0	88.2	90.7	92.1	94.0	94.8	95.2	95.6	96.1	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 86892

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTT	EEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	EEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEE

E - 1 - 1

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

E - 1 - 3

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 95							.2	.1					.0
GE 90						.2	1.6	.5					.2
GE 85					.2	1.5	6.1	2.8	.1				.9
GE 80				.3	1.6	6.0	15.9	11.1	2.1				3.1
GE 75				.6	6.7	19.0	30.8	26.3	7.8	.1			7.7
GE 70			.4	3.8	17.8	37.4	51.7	47.0	23.3	2.5			15.4
GE 65			2.2	11.1	33.3	57.0	71.7	70.2	44.1	9.0	.1		25.0
GE 60		.5	7.7	24.1	55.1	80.9	92.4	93.0	71.2	25.6	.3		37.7
GE 55	.1	2.5	15.8	42.8	78.9	95.6	99.8	99.5	90.9	51.2	6.2	.7	48.7
GE 50	2.5	9.4	32.0	64.0	94.0	99.7	100.0	100.0	98.9	78.1	20.7	6.6	58.9
GE 45	14.1	25.0	58.2	83.5	98.9	100.0			100.0	93.3	45.5	20.0	69.9
GE 40	31.8	45.9	78.0	95.8	99.9					98.6	71.1	40.9	80.2
GE 35	59.2	69.2	92.3	99.7	100.0					99.9	89.0	68.1	89.8
GE 33	69.1	76.5	95.5	99.8						100.0	93.9	78.2	92.8
GE 30	82.4	87.6	99.1	100.0							98.7	88.5	96.4
GE 25	92.4	96.1	99.8								100.0	96.7	98.7
GE 20	96.9	98.6	99.9									99.6	99.6
GE 15	99.5	99.8	100.0									100.0	99.9
GE 10	100.0	99.9											100.0
GE 5		100.0											100.0
MEAN	35.9	38.6	46.2	53.3	61.4	66.9	70.5	69.5	63.9	54.8	43.6	38.1	53.6
SD	7.57	8.17	8.38	8.70	8.21	7.94	8.32	7.45	7.20	7.17	6.86	7.22	14.58
TOTAL OBS	1209	1101	1209	1146	1183	1170	1202	1195	1160	1201	1168	1209	14153



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 70							.1						.0
GE 65						.1	2.2	.6					.2
GE 60					.3	5.6	14.5	10.9	1.1	.1			2.7
GE 55				.1	5.3	24.6	43.3	43.5	15.1	2.5	.1		11.3
GE 50		.1	.7	3.1	24.8	60.2	81.0	79.2	48.1	15.6	1.6	.3	26.4
GE 45	.7	1.2	5.3	15.9	54.9	88.5	97.1	96.5	78.4	39.6	7.8	3.3	40.9
GE 40	6.3	7.2	17.8	37.7	81.1	98.0	100.0	99.7	94.1	64.6	24.5	12.2	53.7
GE 35	22.7	25.2	46.3	70.9	96.3	100.0		100.0	99.8	88.6	52.7	32.9	69.7
GE 33	34.6	35.9	58.7	81.6	98.1				100.0	94.0	64.8	44.0	76.1
GE 30	52.2	52.7	74.3	93.0	99.9					98.9	81.7	61.4	84.6
GE 25	72.9	73.2	89.1	99.3	100.0					100.0	94.3	79.3	92.4
GE 20	84.1	85.4	96.4	99.9							98.7	91.1	96.3
GE 15	92.3	92.0	99.3	100.0							99.9	96.9	98.4
GE 10	96.8	96.5	99.8								100.0	99.3	99.4
GE 5	99.1	98.6	100.0									99.8	99.8
GE 0	99.9	99.8										100.0	100.0
GE -5	100.0	100.0											100.0
MEAN	28.4	28.7	33.5	38.0	45.0	50.6	53.8	53.4	48.7	42.4	35.0	30.9	40.7
SD	8.50	8.71	7.09	5.99	5.88	5.26	5.12	4.99	5.40	6.36	6.65	7.86	11.27
TOTAL OBS	1209	1101	1209	1146	1183	1170	1202	1195	1160	1201	1168	1209	14153

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL

PERIOD OF RECORD: 5204-9103

LST TO UTC: -01

MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80							.6						.0
GE 75					.1	.7	4.4	1.2					.5
GE 70					.4	4.5	14.2	9.9	1.0				2.5
GE 65				.4	5.3	19.2	33.7	30.0	7.8	.4			8.1
GE 60				2.5	17.7	45.2	63.1	63.0	29.6	3.6			18.8
GE 55		.1	1.7	10.8	41.7	75.7	92.3	90.5	64.2	19.7	.4		33.2
GE 50	.1	1.5	10.3	30.5	72.0	95.3	99.8	99.7	89.9	44.4	5.9	1.1	46.0
GE 45	4.0	7.8	26.6	54.9	92.7	99.8	100.0	100.0	99.2	75.9	23.8	9.2	57.9
GE 40	17.5	25.2	53.2	81.7	99.0	100.0			100.0	93.8	50.3	26.7	70.7
GE 35	43.1	51.0	79.4	97.1	100.0					99.6	78.5	52.4	83.5
GE 33	54.6	60.7	85.3	98.8						99.8	85.8	62.4	87.3
GE 30	69.1	73.3	92.4	99.7						100.0	93.0	77.3	92.1
GE 25	85.2	87.8	98.5	100.0							99.6	91.6	96.9
GE 20	92.7	94.4	99.6								100.0	97.6	98.7
GE 15	96.9	98.1	99.8									99.8	99.5
GE 10	99.6	99.6	100.0									99.9	99.9
GE 5	100.0	99.9										100.0	100.0
GE 0		100.0											100.0
MEAN	32.4	33.9	40.1	45.9	53.5	59.0	62.4	61.7	56.6	48.9	39.6	34.8	47.4
SD	7.79	8.05	7.12	6.73	6.40	6.02	6.17	5.56	5.54	6.07	6.37	7.25	12.59
TOTAL OBS	1209	1101	1209	1146	1183	1170	1202	1195	1160	1201	1168	1209	14153

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				80	76	91	95	88	67	59	49	47	95*
53	44	57	67	71	85	81	82	87	84	69	56	58	87
54	50	47	64	64	82	86	77	85	83	70	55	51	86
55	48	47	65	79	76	80	85	81	75	67	65	52	85
56	47	40	65	66	82	71	84	79	75	70	50	52	84
57	51	59	64	70	73	91	95	82	77	68	56	51	95
58	50	59	62	65	75	81	81	85	81	63	51	51	85
59	50	62	64	74	76	81	91	83	82	71	57	49	91
60	51	63	62	69	74	88	75	79	75	66	55	48	88
61	50	57	66	70	69	81	85	84	82	71	51	56	85
62	50	46	52	72	74	80	83	85	84	74	56	48	85
63	36	37	55	66	76	76	84	85	75	64	63	43	85
64	40	57	56	70	78	86	96	88	81	65	54	47	96
65	49	39	65	63	77	82	80	79	73	67	55	51	82
66	49	55	57	60*	62*	84	78	87	78	74	54	50	87*
67	50	51	57	67	79	82	84	79	75	68	52	51	84
68	51	49	72	82	75	81	88*	77*	73*	68*	60	47	88*
69	50	45	57	70	85	76	89	85*	77	70	56	40	89*
70	45	49	50	70	70	81	81	81	77	71	58	50	81
71	49	47	52	74	79	74	86	88	74	68	52	52	88
72	47	52	67	65	70	81	86	78	71	64	57	48	86
73	42	41	64	64	71	82	86	82	86	68	59	48	86
74	51	53	66	68	73	75	78	87	77	51	53	51	87
75	53	51	51	73	71	78	87	89	77	60	53	42	89
76	46	51	57	68	80	89	93	84	73	69	51	44	93
77	51	51	60	64	71	87	82	77	73	66	60	57	87
78	46	53	59	64	75	80	86	78	73	69	53	50	86
79	37	42	50	66	80	80	84	80	77	75	54	54	84
80	45	52	55	68	68	77	81	82	75	59	54	52	82
81	48	48	66	68	79	81	82	82	73	64	55	46	82
82	48	50	63	70	81	86	91	84	84	63	57	52	91
83	52	48	57	66	73	81	93	88	77	72	55	52	93
84	48	45	52	70	70	81	88	84	77	61	55	43	88
85	46	50	52	68	79	81	86	86	77	73	59	55	86

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	48	37	57	61	75	82	82	93	72	73	59	54	93
87	50	50	50	70	70	88	81	84	79	66	55	55	88
88	50	48	54	72	75	73	82	86	75	66	52	50	86
89	48	54	73	63	77	79	88	86	79	73	55	57	88
90	48	64	66	70	81	82	88	95	72	73	54	52	95
91	55	55	64										64*
.....													
GREATEST	55	64	73	82	85	91	96	95	86	75	65	58	96
.....													
TOTAL OBS	1209	1101	1209	1146	1183	1170	1202	1195	1160	1201	1168	1209	14153

THE GREATEST VALUE OF 96 OCCURRED ON 07/18/64

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				28	39	43	49	44	36	29	23	16	16*
53	15	4	27	31	33	39	49	45	41	33	26	21	4
54	5	1	24	29	36	41	42	48	35	32	23	27	1
55	14	4	12	28	32	41	48	46	37	26	22	21	4
56	1	-3	22	22	35	38	47	39	45	30	16	20	-3
57	15	25	26	28	30	40	49	41	36	31	24	21	15
58	17	14	15	24	34	40	46	45	43	32	30	20	14
59	19	23	27	30	36	41	52	45	45	32	26	25	19
60	5	17	26	32	34	43	42	47	39	33	30	16	5
61	17	30	25	38	35	41	42	44	45	31	22	11	11
62	16	20	17	30	32	36	42	42	40	32	16	8	8
63	4	8	16	29	33	43	44	40	38	27	31	11	4
64	11	19	17	28	38	35	40	44	35	28	25	15	11
65	21	12	16	29	33	41	43	42	39	31	15	20	12
66	4	27	24	30*	39*	41	43	40	39	28	20	21	4*
67	10	18	26	26	28	39	45	44	39	29	21	10	10
68	-3	23	27	26	34	44	45*	44*	48*	33*	24	12	-3*
69	23	6	25	28	35	39	45	48*	34	35	22	15	6*
70	17	6	13	25	32	41	44	41	39	33	28	10	8
71	9	14	7	30	37	44	43	45	41	31	20	27	7
72	7	9	22	27	36	38	45	39	35	26	24	14	7
73	14	19	23	28	35	42	48	46	35	30	19	6	6
74	24	24	19	35	35	39	44	44	33	28	21	26	19
75	26	21	24	26	35	35	44	48	44	28	19	0	0
76	6	19	14	24	32	39	46	46	41	31	26	3	3
77	19	19	19	23	30	39	48	48	37	32	19	21	19
78	24	10	26	26	37	41	42	41	41	35	21	8	8
79	1	19	24	28	30	44	46	41	39	32	23	25	1
80	14	27	28	32	36	43	41	39	41	30	23	16	14
81	19	18	28	28	32	43	48	45	37	30	21	16	16
82	12	18	27	30	34	46	48	46	45	32	28	23	12
83	21	19	28	27	39	41	45	50	39	30	18	21	18
84	21	18	19	28	34	45	43	46	39	32	27	19	18
85	3	7	21	28	36	39	48	43	37	28	25	14	3

E - 3 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	12	3	19	19	32	39	45	43	36	30	25	12	3
87	3	10	10	28	32	43	48	43	39	37	28	14	3
88	28	25	21	27	37	43	45	46	43	28	12	27	12
89	19	21	28	32	36	39	46	46	41	34	18	18	18
90	25	27	32	27	39	41	45	50	36	34	27	19	19
91	19	3	25										3*
LEAST	-3	-3	7	19	28	35	40	39	33	26	12	0	-3
TOTAL OBS	1209	1101	1209	1146	1183	1170	1202	1195	1160	1201	1168	1209	14153

THE LEAST VALUE OF -3 OCCURRED ON 02/02/56

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
52				52	56	60	66	64	51	45	36	32	51*
53	30	33	44	49	57	60	62	62	57	52	41	38	49
54	27	30	42	44	54	59	58	60	56	50	41	38	47
55	30	30	35	47	51	59	64	63	57	46	40	37	47
56	34	17	41	43	55	54	61	57	59	47	38	38	45
57	32	40	47	48	50	62	64	60	55	49	40	34	48
58	33	37	34	42	55	58	63	62	60	50	41	38	48
59	34	38	45	49	56	61	68	63	61	50	39	37	50
60	33	36	43	47	56	61	58	61	55	49	44	33	48
61	33	42	44	50	50	58	58	60	62	51	38	34	48
62	36	34	33	46	49	58	59	61	55	50	37	29	46
63	22	25	39	49	52	60	63	59	57	47	46	27	45
64	29	37	36	47	56	60	65	61	57	45	41	32	47
65	34	29	40	44	52	58	58	58	53	48	36	37	46
66	29	43	39	47*	51*	61	58	59	57	52	35	36	47*
67	34	38	41	44	53	57	65	60	56	51	39	33	48
68	32	37	42	50	53	59	62*	62*	58*	52*	37	30	47*
69	37	30	39	46	55	58	65	64*	57	52	41	28	47*
70	32	33	34	43	54	63	59	61	58	49	44	33	47
71	33	35	35	49	59	58	64	64	57	49	38	37	48
72	31	38	44	45	51	55	63	58	51	45	38	33	46
73	31	31	38	42	53	60	62	65	57	46	39	33	47
74	39	38	43	49	52	57	59	62	54	40	39	40	48
75	39	35	37	44	52	58	64	67	59	44	37	30	47
76	35	33	35	44	55	64	67	63	56	51	41	30	48
77	34	39	44	41	51	57	63	61	55	50	42	38	48
78	35	31	42	45	53	57	59	58	54	48	37	34	46
79	23	31	39	43	52	62	61	59	57	51	39	40	46
80	30	39	40	44	51	56	57	61	57	46	38	33	46
81	33	32	46	47	54	58	60	61	56	46	41	32	47
82	31	36	42	47	55	63	67	63	63	50	44	37	50
83	38	32	41	48	51	61	71	68	58	49	39	35	49
84	34	33	37	44	50	58	62	64	53	49	42	35	47
85	25	29	37	46	55	56	63	59	57	48	35	39	46

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: -01

PERIOD OF RECORD: 5204-9103  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	33	22	38	42	55	61	62	61	53	52	42	37	47
87	25	33	34	48	48	59	64	62	60	50	41	36	47
88	39	36	39	47	57	59	61	64	58	52	38	41	49
89	36	36	45	45	58	59	65	64	59	53	38	37	50
90	36	44	46	46	58	58	62	68	55	52	41	34	50
91	34	30	46										37*
MEAN	32.4	33.9	40.1	45.9	53.5	59.0	62.4	61.7	56.6	48.9	39.6	34.8	47.4
TOTAL OBS	1209	1101	1209	1183	1183	1170	1202	1195	1160	1201	1168	1209	14153

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	32.4	8.832	930	0	425	0	0	0	930
03-05	32.0	8.955	930	0	448	0	0	0	930
06-08	31.6	9.209	930	0	460	0	0	0	930
09-11	32.4	9.030	930	0	446	0	0	0	930
12-14	34.3	8.441	930	0	356	0	0	0	930
15-17	34.8	8.217	930	0	325	0	0	0	930
18-20	33.6	8.472	930	0	373	0	0	0	930
21-23	32.9	8.605	930	0	403	0	0	0	930
ALL HOURS	33.0	8.734	7440	0	3236	0	0	0	7440

MONTH: FEB

00-02	31.3	8.715	846	0	450	0	0	0	846
03-05	30.5	9.010	846	0	468	0	0	0	846
06-08	29.8	9.238	846	0	491	0	0	0	846
09-11	31.4	8.622	846	0	440	0	0	0	846
12-14	35.3	8.150	846	0	308	0	0	0	846
15-17	36.5	8.264	846	0	264	0	0	0	846
18-20	34.0	8.256	846	0	355	0	0	0	846
21-23	32.3	8.326	846	0	419	0	0	0	846
ALL HOURS	32.6	8.887	6768	0	3201	0	0	0	6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	37.5	6.891	930	0	238	0	0	0	930
03-05	36.3	7.005	930	0	280	0	0	0	930
06-08	35.8	7.075	930	0	291	0	0	0	930
09-11	39.3	7.118	930	0	161	0	0	0	930
12-14	43.8	7.784	930	0	58	7	0	0	930
15-17	45.1	8.125	930	0	38	15	0	0	930
18-20	42.1	7.519	930	0	92	4	0	0	930
21-23	39.3	6.883	930	0	146	0	0	0	930
ALL HOURS	39.9	7.932	7440	0	1304	26	0	0	7440

MONTH: APR

00-02	41.9	6.139	901	0	43	0	0	0	901
03-05	40.1	6.046	900	0	104	0	0	0	900
06-08	40.5	6.168	900	0	97	0	0	0	900
09-11	46.0	7.079	900	0	20	0	0	0	900
12-14	50.3	8.163	900	0	5	33	0	0	900
15-17	51.4	8.597	900	0	3	60	0	0	900
18-20	48.5	7.944	900	0	9	14	0	0	900
21-23	44.3	6.699	900	0	22	0	0	0	900
ALL HOURS	45.4	8.288	7201	0	303	107	0	0	7201

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	49.4	6.085	930	0	1	1	0	0	930
03-05	47.4	5.850	930	0	6	0	0	0	930
06-08	49.0	6.072	930	0	2	0	0	0	930
09-11	55.1	7.504	930	0	0	88	0	0	930
12-14	59.1	8.543	930	0	0	239	1	0	930
15-17	60.2	8.824	930	0	0	287	1	0	930
18-20	57.7	8.088	930	0	0	180	0	0	930
21-23	52.6	6.762	930	0	0	17	0	0	930
ALL HOURS	53.8	8.609	7440	0	9	812	2	0	7440

MONTH: JUN

00-02	54.5	5.515	900	0	0	31	0	0	900
03-05	52.6	5.328	900	0	0	8	0	0	900
06-08	54.4	5.804	900	0	0	34	0	0	900
09-11	60.1	7.190	900	0	0	224	2	0	900
12-14	64.0	8.141	900	0	0	362	24	0	900
15-17	64.6	8.427	900	0	0	388	44	0	900
18-20	62.4	7.875	900	0	0	299	14	0	900
21-23	57.7	6.387	900	0	0	116	0	0	900
ALL HOURS	58.8	8.219	7200	0	0	1462	84	0	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	58.8	5.496	930	0	0	124	0	0	930
03-05	56.4	5.432	930	0	0	61	0	0	930
06-08	58.2	5.715	930	0	0	119	0	0	930
09-11	65.0	7.169	930	0	0	402	32	0	930
12-14	69.5	8.264	928	0	0	600	113	1	928
15-17	70.8	8.392	927	0	0	662	156	3	927
18-20	68.0	7.693	927	0	0	553	81	0	927
21-23	62.3	6.103	927	0	0	280	3	0	927
ALL HOURS	63.6	8.566	7429	0	0	2801	385	4	7429

MONTH: AUG

00-02	59.0	5.892	750	0	0	109	0	0	750
03-05	56.7	5.540	902	0	0	52	0	0	902
06-08	57.4	5.585	930	0	0	78	0	0	930
09-11	64.3	6.870	930	0	0	364	16	0	930
12-14	69.4	7.792	882	0	0	590	104	1	882
15-17	70.5	8.172	833	0	0	577	138	5	833
18-20	67.4	7.725	753	0	0	426	52	0	753
21-23	62.0	6.248	755	0	0	211	1	0	755
ALL HOURS	63.3	8.522	6735	0	0	2407	311	6	6735

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	53.4	5.645	900	0	0	15	0	0	900
03-05	51.7	5.863	900	0	0	7	0	0	900
06-08	51.4	5.927	900	0	0	0	0	0	900
09-11	57.0	5.991	900	0	0	78	0	0	900
12-14	62.0	6.935	900	0	0	275	3	0	900
15-17	63.0	7.426	900	0	0	322	9	0	900
18-20	59.1	6.598	900	0	0	160	1	0	900
21-23	55.4	5.795	900	0	0	46	0	0	900
ALL HOURS	56.6	7.557	7200	0	0	903	13	0	7200

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	47.4	6.368	930	0	7	0	0	0	930
03-05	46.5	6.620	930	0	15	0	0	0	930
06-08	46.1	6.680	930	0	31	0	0	0	930
09-11	49.4	6.462	930	0	6	5	0	0	930
12-14	53.6	6.809	930	0	0	53	0	0	930
15-17	54.3	7.120	929	0	0	74	0	0	929
18-20	50.7	6.370	930	0	0	7	0	0	930
21-23	49.6	6.234	930	0	1	0	0	0	930
ALL HOURS	49.6	7.241	7439	0	60	139	0	0	7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	38.7	7.270	900	0	198	0	0	0	900
03-05	38.1	7.428	900	0	224	0	0	0	900
06-08	37.7	7.513	900	0	229	0	0	0	900
09-11	39.2	7.217	900	0	164	0	0	0	900
12-14	42.4	6.666	900	0	70	0	0	0	900
15-17	42.5	6.673	900	0	73	0	0	0	900
18-20	40.4	6.742	900	0	130	0	0	0	900
21-23	39.2	7.084	900	0	178	0	0	0	900
ALL HOURS	39.8	7.245	7200	0	1266	0	0	0	7200

MONTH: DEC

00-02	35.5	7.287	930	0	330	0	0	0	930
03-05	35.2	7.339	930	0	343	0	0	0	930
06-08	35.1	7.308	930	0	349	0	0	0	930
09-11	35.8	6.966	930	0	307	0	0	0	930
12-14	37.6	6.585	930	0	234	0	0	0	930
15-17	37.7	6.586	930	0	218	0	0	0	930
18-20	36.5	6.856	930	0	272	0	0	0	930
21-23	36.0	7.163	930	0	303	0	0	0	930
ALL HOURS	36.2	7.117	7440	0	2356	0	0	0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	44.8	11.700	10777	0	1698	280	0	0	10777
03-05	43.7	11.299	10928	0	1888	128	0	0	10928
06-08	44.0	11.919	10956	0	1950	231	0	0	10956
09-11	48.0	13.839	10956	0	1544	1161	50	0	10956
12-14	51.8	14.653	10906	0	1031	2159	245	2	10906
15-17	52.5	14.910	10855	0	921	2385	348	8	10855
18-20	49.8	14.255	10776	0	1231	1643	148	0	10776
21-23	46.7	12.552	10778	0	1472	670	4	0	10778
ALL HOURS	47.7	13.600	86932	0	11735	8657	795	10	86932

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS
				LE 32 GE 50 GE 67 GE 73 GE 80	
00-02	30.8	8.638	930	506 0 0 0 0	930
03-05	30.5	8.748	930	524 0 0 0 0	930
06-08	30.2	9.012	930	534 0 0 0 0	930
09-11	30.9	8.826	930	519 2 0 0 0	930
12-14	32.4	8.301	930	445 4 0 0 0	930
15-17	32.8	8.052	930	416 5 0 0 0	930
18-20	31.9	8.281	930	458 1 0 0 0	930
21-23	31.3	8.395	930	480 0 0 0 0	930
ALL HOURS	31.4	8.584	7440	3882 12 0 0 0	7440

MONTH: FEB

00-02	29.2	8.306	846	547 0 0 0 0	846
03-05	28.5	8.581	846	570 1 0 0 0	846
06-08	28.0	8.793	846	596 2 0 0 0	846
09-11	29.3	8.266	846	535 0 0 0 0	846
12-14	32.2	7.629	846	422 5 0 0 0	846
15-17	33.1	7.612	846	396 13 0 0 0	846
18-20	31.3	7.852	846	453 1 0 0 0	846
21-23	30.1	8.019	846	509 0 0 0 0	846
ALL HOURS	30.2	8.338	6768	4028 22 0 0 0	6768



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	35.0	6.475	930	322	4	0	0	0	930
03-05	34.0	6.706	930	360	3	0	0	0	930
06-08	33.7	6.824	930	382	3	0	0	0	930
09-11	36.4	6.540	930	248	15	0	0	0	930
12-14	39.3	6.415	930	136	58	0	0	0	930
15-17	39.9	6.436	930	114	79	0	0	0	930
18-20	38.0	6.334	930	169	30	0	0	0	930
21-23	36.2	6.286	930	256	13	0	0	0	930
ALL HOURS	36.6	6.879	7440	1987	205	0	0	0	7440

MONTH: APR

00-02	38.7	5.721	901	144	32	0	0	0	901
03-05	37.5	5.826	900	190	26	0	0	0	900
06-08	38.0	5.754	900	168	24	0	0	0	900
09-11	41.7	5.952	900	52	91	0	0	0	900
12-14	43.9	6.308	900	23	189	0	0	0	900
15-17	44.3	6.238	900	21	213	0	0	0	900
18-20	42.7	6.158	900	33	135	0	0	0	900
21-23	40.3	5.884	900	87	56	0	0	0	900
ALL HOURS	40.9	6.450	7201	718	766	0	0	0	7201

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	46.3	5.558	930	3	281	0	0	0	930
03-05	44.8	5.495	930	15	199	0	0	0	930
06-08	46.2	5.445	930	6	268	0	0	0	930
09-11	50.0	5.892	930	0	514	0	0	0	930
12-14	51.8	6.145	930	0	605	0	0	0	930
15-17	52.1	6.117	930	0	626	0	0	0	930
18-20	50.9	5.965	930	0	562	0	0	0	930
21-23	48.2	5.726	930	0	387	0	0	0	930
ALL HOURS	48.8	6.327	7440	24	3442	0	0	0	7440

MONTH: JUN

00-02	51.2	5.486	900	0	545	2	0	0	900
03-05	49.9	5.467	900	0	474	0	0	0	900
06-08	51.3	5.525	900	0	552	1	0	0	900
09-11	54.6	6.086	900	0	705	25	0	0	900
12-14	56.3	6.238	900	0	770	43	4	0	900
15-17	56.5	6.087	900	0	786	46	6	0	900
18-20	55.6	5.986	900	0	759	34	2	0	900
21-23	53.2	5.693	900	0	661	13	0	0	900
ALL HOURS	53.6	6.271	7200	0	5252	164	12	0	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL

HOURLS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	54.8	4.948	930	0	803	7	0	0	930
03-05	53.4	5.054	930	0	723	1	0	0	930
06-08	54.7	5.028	930	0	792	6	0	0	930
09-11	58.3	5.178	930	0	905	69	0	0	930
12-14	59.9	5.238	928	0	918	116	0	0	928
15-17	60.3	5.013	927	0	923	121	0	0	927
18-20	59.3	4.879	927	0	920	83	1	0	927
21-23	56.7	4.814	927	0	881	14	0	0	927
ALL HOURS	57.2	5.628	7429	0	6865	417	1	0	7429

MONTH: AUG

HOURLS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	54.7	4.869	750	0	652	1	0	0	750
03-05	53.3	4.987	902	0	716	2	0	0	902
06-08	53.8	4.971	930	0	751	1	0	0	930
09-11	57.9	4.910	930	0	902	36	0	0	930
12-14	59.8	4.947	882	0	873	91	0	0	882
15-17	60.0	4.904	833	0	823	78	0	0	833
18-20	58.8	4.946	753	0	731	41	0	0	753
21-23	56.4	4.739	755	0	696	7	0	0	755
ALL HOURS	56.8	5.524	6735	0	6144	257	0	0	6735

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	50.5	5.291	900	0	515	0	0	0	900
03-05	49.2	5.556	900	0	440	0	0	0	900
06-08	49.0	5.596	900	0	429	0	0	0	900
09-11	53.0	5.145	900	0	655	1	0	0	900
12-14	55.6	5.423	900	0	783	21	0	0	900
15-17	55.8	5.605	900	0	787	30	0	0	900
18-20	54.0	5.492	900	0	697	8	0	0	900
21-23	51.9	5.318	900	0	609	0	0	0	900
ALL HOURS	52.4	5.985	7200	0	4915	60	0	0	7200

MONTH: OCT

00-02	45.4	6.472	930	27	271	0	0	0	930
03-05	44.7	6.693	930	49	243	0	0	0	930
06-08	44.3	6.737	930	62	231	0	0	0	930
09-11	46.9	6.254	930	17	332	0	0	0	930
12-14	49.6	6.115	929	2	465	0	0	0	929
15-17	49.8	6.362	929	3	487	0	0	0	929
18-20	47.7	6.260	930	3	383	0	0	0	930
21-23	46.2	6.338	930	13	308	0	0	0	930
ALL HOURS	46.8	6.710	7438	176	2720	0	0	0	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS			
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	37.0	7.227	900	255	39	0	0	0	900
03-05	36.5	7.389	900	280	34	0	0	0	900
06-08	36.1	7.487	900	292	31	0	0	0	900
09-11	37.4	7.166	900	223	38	0	0	0	900
12-14	39.8	6.627	900	135	78	0	0	0	900
15-17	39.8	6.671	900	140	84	0	0	0	900
18-20	38.3	6.808	900	195	50	0	0	0	900
21-23	37.4	7.119	900	233	49	0	0	0	900
ALL HOURS	37.8	7.169	7200	1753	403	0	0	0	7200

MONTH: DEC

00-02	33.9	7.128	930	407	9	0	0	0	930
03-05	33.6	7.330	930	413	8	0	0	0	930
06-08	33.6	7.244	930	404	6	0	0	0	930
09-11	34.1	6.892	930	388	9	0	0	0	930
12-14	35.6	6.430	930	312	12	0	0	0	930
15-17	35.6	6.447	930	315	12	0	0	0	930
18-20	34.7	6.787	930	363	10	0	0	0	930
21-23	34.3	7.070	930	381	13	0	0	0	930
ALL HOURS	34.4	6.962	7440	2983	79	0	0	0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	42.2	10.957	10777	2211	3151	10	0	0	10777
03-05	41.4	10.795	10928	2401	2867	3	0	0	10928
06-08	41.7	11.234	10956	2444	3089	8	0	0	10956
09-11	44.3	12.026	10956	1982	4168	131	0	0	10956
12-14	46.4	11.834	10905	1475	4760	271	4	0	10905
15-17	46.6	11.782	10855	1405	4838	275	6	0	10855
18-20	45.1	11.807	10776	1674	4279	166	3	0	10776
21-23	43.4	11.273	10778	1959	3673	34	0	0	10778
ALL HOURS	43.9	11.633	86931	15551	30825	898	13	0	86931

E - 5 - 2 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	27.9	9.962	930	391	168	930	0	930
03-05	27.6	10.089	930	396	171	930	0	930
06-08	27.4	10.317	930	392	175	930	0	930
09-11	28.0	10.269	930	375	185	930	0	930
12-14	29.2	9.922	930	327	202	930	0	930
15-17	29.2	9.733	930	330	212	930	0	930
18-20	28.7	9.734	930	347	187	930	0	930
21-23	28.2	9.813	930	376	168	930	0	930
ALL HOURS	28.3	10.025	7440	2934	1468	7440	0	7440

MONTH: FEB

00-02	25.0	9.611	846	467	93	846	0	846
03-05	24.5	9.840	846	491	96	846	0	846
06-08	24.0	9.899	846	490	77	846	0	846
09-11	25.2	9.607	846	444	93	846	0	846
12-14	26.9	9.331	846	410	132	846	0	846
15-17	27.3	9.496	846	400	145	846	0	846
18-20	26.3	9.564	846	424	114	846	0	846
21-23	25.6	9.637	846	452	108	846	0	846
ALL HOURS	25.6	9.700	6768	3578	858	6768	0	6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	31.0	7.731	930	279	238	930	0	930
03-05	30.4	7.868	930	309	223	930	0	930
06-08	30.3	8.032	930	316	218	930	0	930
09-11	32.3	7.795	930	243	279	930	0	930
12-14	33.4	7.929	930	195	337	930	0	930
15-17	33.2	7.838	930	212	328	930	0	930
18-20	32.4	7.703	930	223	286	930	0	930
21-23	31.7	7.558	930	244	255	930	0	930
ALL HOURS	31.9	7.914	7440	2021	2164	7440	0	7440

MONTH: APR

00-02	34.6	6.885	901	136	350	901	0	900
03-05	33.9	6.799	900	160	316	900	0	900
06-08	34.5	6.716	900	145	351	900	0	900
09-11	36.4	6.866	900	92	454	900	0	900
12-14	36.7	7.198	900	81	454	900	0	900
15-17	36.3	7.164	900	89	447	900	0	900
18-20	35.9	7.186	900	111	419	900	0	900
21-23	35.2	7.039	900	118	380	900	0	900
ALL HOURS	35.4	7.076	7201	932	3171	7201	0	7201

B - 5 - 3 - 2



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	43.1	6.218	930	6	783	919	0	930
03-05	42.2	6.110	930	6	756	926	0	930
06-08	43.5	5.952	930	5	801	925	0	930
09-11	45.3	6.378	930	4	830	906	0	930
12-14	45.3	6.624	930	8	822	903	0	930
15-17	45.0	6.685	930	7	810	901	0	930
18-20	44.6	6.740	930	8	807	899	0	930
21-23	43.9	6.511	930	7	793	913	0	930
ALL HOURS	44.1	6.530	7440	51	6402	7292	0	7440

MONTH: JUN

00-02	48.4	6.259	900	0	876	811	3	900
03-05	47.6	6.181	900	0	875	828	2	900
06-08	48.7	6.206	900	0	889	794	1	900
09-11	50.1	6.722	900	0	885	731	11	900
12-14	50.2	6.931	900	0	880	718	15	900
15-17	50.2	6.810	900	0	880	741	15	900
18-20	50.2	6.719	900	0	887	744	15	900
21-23	49.5	6.440	900	0	886	771	9	900
ALL HOURS	49.4	6.663	7200	0	7058	6138	71	7200

B - 5 - 3 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	51.8	5.465	930	0	929	739	0	930
03-05	50.9	5.559	930	0	927	774	0	930
06-08	52.0	5.417	930	0	929	738	3	930
09-11	53.5	5.426	930	0	930	660	7	930
12-14	53.1	5.695	928	0	928	658	15	928
15-17	52.9	5.599	927	0	927	668	12	927
18-20	53.1	5.441	927	0	927	661	11	927
21-23	52.5	5.310	927	0	927	701	1	927
ALL HOURS	52.5	5.580	7429	0	7424	5599	49	7429

MONTH: AUG

00-02	51.3	5.149	750	0	750	624	0	882
03-05	50.6	5.240	902	0	901	773	1	882
06-08	51.1	5.138	930	0	930	771	0	882
09-11	53.3	5.033	930	0	930	654	2	882
12-14	53.0	5.536	882	0	882	625	1	882
15-17	52.7	5.528	833	0	832	613	1	882
18-20	52.6	5.571	753	0	753	545	3	882
21-23	52.1	5.248	755	0	755	595	1	882
ALL HOURS	52.1	5.434	6735	0	6733	5200	9	6735

8 - 5 - 3 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	48.1	5.791	900	0	882	832	0	900
03-05	47.1	5.952	900	0	865	834	0	900
06-08	47.0	5.910	900	0	858	845	0	900
09-11	49.8	5.545	900	0	896	781	1	900
12-14	50.4	6.345	900	0	891	728	6	900
15-17	50.1	6.590	900	0	883	738	7	900
18-20	49.8	6.366	900	0	883	767	5	900
21-23	48.9	5.883	900	0	887	809	0	900
ALL HOURS	48.9	6.222	7200	0	7045	6334	19	7200

MONTH: OCT

00-02	43.3	7.430	930	13	760	914	0	929
03-05	42.8	7.445	930	22	748	917	0	929
06-08	42.5	7.451	930	34	734	922	0	929
09-11	44.5	7.051	930	11	799	896	0	929
12-14	45.8	7.025	929	7	819	873	0	929
15-17	45.7	7.284	929	7	811	867	0	929
18-20	44.8	7.220	930	10	801	886	0	929
21-23	43.9	7.283	930	10	774	908	0	929
ALL HOURS	44.2	7.408	7438	114	6246	7183	0	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100      STATION NAME: BITBURG AB DL      PERIOD OF RECORD: APR 81 - MAR 91  
LST TO UTC: - 1      MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	34.6	8.319	900	171	381	900	0	900
03-05	34.1	8.395	900	192	355	900	0	900
06-08	33.8	8.454	900	197	348	900	0	900
09-11	35.0	8.252	900	156	398	900	0	900
12-14	36.4	8.175	900	131	459	900	0	900
15-17	36.2	8.333	900	136	452	900	0	900
18-20	35.4	8.111	900	156	413	900	0	900
21-23	34.8	8.245	900	166	382	900	0	900
ALL HOURS	35.0	8.369	7200	1305	3188	7200	0	7200

MONTH: DEC

00-02	31.1	8.355	930	291	263	930	0	930
03-05	31.0	8.534	930	312	253	930	0	930
06-08	31.0	8.428	930	320	259	930	0	930
09-11	31.4	8.004	930	297	273	930	0	930
12-14	32.5	7.677	930	247	315	930	0	930
15-17	32.4	7.817	930	244	309	930	0	930
18-20	31.8	8.038	930	267	289	930	0	930
21-23	31.6	8.220	930	276	272	930	0	930
ALL HOURS	31.6	8.192	7440	2254	2233	7440	0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	39.1	11.743	10777	1754	6473	10276	3	10777
03-05	38.6	11.673	10928	1888	6486	10488	3	10928
06-08	38.9	11.969	10956	1899	6569	10431	4	10956
09-11	40.5	12.233	10956	1622	6952	10064	21	10956
12-14	41.1	11.827	10905	1406	7121	9941	37	10905
15-17	40.9	11.769	10855	1425	7036	9964	35	10855
18-20	40.4	11.946	10776	1546	6766	9938	34	10776
21-23	39.7	11.857	10778	1649	6587	10133	11	10778
ALL HOURS	39.9	11.912	86931	13189	53990	81235	148	86931

E - 5 - 3 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.7	99.2	97.5	91.2	64.9	29.1	82.7	930
03-05	100.0	100.0	100.0	100.0	99.5	97.0	90.9	65.4	29.6	83.0	930
06-08	100.0	100.0	100.0	100.0	99.8	97.0	91.8	67.3	31.1	83.4	930
09-11	100.0	100.0	100.0	99.8	98.8	96.9	90.2	65.4	30.1	82.9	930
12-14	100.0	100.0	99.7	99.5	98.2	95.5	84.8	60.0	24.8	80.9	930
15-17	100.0	100.0	99.7	99.2	97.7	94.5	83.1	55.3	19.6	79.5	930
18-20	100.0	100.0	100.0	99.6	98.4	96.7	87.8	60.6	24.2	81.4	930
21-23	100.0	100.0	100.0	99.7	98.9	97.0	90.4	63.7	27.8	82.2	930
ALL HOURS	100.0	100.0	99.9	99.7	98.8	96.5	88.8	62.8	27.0	82.0	7440

MONTH: FEB

00-02	100.0	100.0	100.0	99.9	98.7	91.5	73.4	41.1	14.9	76.6	846
03-05	100.0	100.0	100.0	99.8	99.2	93.1	75.8	43.7	17.0	77.5	846
06-08	100.0	100.0	100.0	100.0	99.1	94.7	77.4	42.8	18.9	77.9	846
09-11	100.0	100.0	100.0	100.0	98.6	90.5	72.8	42.4	16.8	76.7	846
12-14	100.0	100.0	99.9	98.1	91.7	78.6	55.7	31.3	10.2	70.9	846
15-17	100.0	100.0	99.5	96.8	88.2	74.0	48.1	26.2	9.0	68.7	846
18-20	100.0	100.0	100.0	99.3	94.3	83.2	61.2	32.3	11.5	72.3	846
21-23	100.0	100.0	100.0	99.6	96.9	87.8	69.3	38.2	12.6	75.1	846
ALL HOURS	100.0	100.0	99.9	99.2	95.8	86.7	66.7	37.3	13.9	74.5	6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	98.6	91.6	74.2	45.2	14.2	77.0	930
03-05	100.0	100.0	100.0	100.0	99.5	95.1	78.9	49.1	18.0	78.7	930
06-08	100.0	100.0	100.0	100.0	99.7	95.6	81.4	53.3	22.3	80.0	930
09-11	100.0	100.0	100.0	100.0	96.9	86.9	69.1	46.7	17.0	76.0	930
12-14	100.0	100.0	99.6	95.6	84.0	67.5	50.5	29.7	8.5	67.9	930
15-17	100.0	99.9	98.4	91.7	79.0	59.9	42.4	22.6	7.4	64.6	930
18-20	100.0	100.0	99.7	96.9	88.6	71.3	51.6	30.6	9.7	69.2	930
21-23	100.0	100.0	100.0	99.7	96.6	84.4	65.1	37.7	11.6	73.9	930
ALL HOURS	100.0	100.0	99.7	98.0	92.8	81.5	64.2	39.4	13.6	73.4	7440

MONTH: APR

00-02	100.0	100.0	100.0	99.9	96.6	88.3	72.8	44.4	8.8	75.4	901
03-05	100.0	100.0	100.0	100.0	98.3	95.4	80.4	52.7	13.4	78.4	900
06-08	100.0	100.0	100.0	100.0	99.2	94.7	80.2	55.6	13.2	78.8	900
09-11	100.0	100.0	99.8	97.7	89.7	75.4	57.2	31.4	5.9	70.2	900
12-14	100.0	100.0	99.3	90.3	74.2	51.7	34.1	15.9	2.4	61.1	900
15-17	100.0	100.0	98.3	85.0	64.9	44.6	31.9	14.4	2.7	58.6	900
18-20	100.0	100.0	99.1	92.1	77.0	58.3	41.4	21.6	4.9	63.6	900
21-23	100.0	100.0	100.0	98.9	91.6	77.3	59.8	34.8	6.2	71.1	900
ALL HOURS	100.0	100.0	99.6	95.5	86.4	73.2	57.2	33.8	7.2	69.6	7201

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	99.7	94.5	79.7	55.2	18.1	79.4	930
03-05	100.0	100.0	100.0	100.0	100.0	98.3	90.5	65.4	24.1	82.5	930
06-08	100.0	100.0	100.0	100.0	99.8	97.1	88.4	64.6	20.2	81.6	930
09-11	100.0	100.0	99.8	98.9	94.3	77.7	54.4	32.2	6.9	70.9	930
12-14	100.0	100.0	99.4	94.0	77.3	51.1	32.4	15.8	3.2	61.9	930
15-17	100.0	100.0	98.6	90.9	69.1	45.5	26.9	13.5	2.3	59.3	930
18-20	100.0	100.0	99.0	94.9	80.1	57.2	35.8	20.9	4.4	63.8	930
21-23	100.0	100.0	100.0	99.4	96.0	81.1	61.6	39.6	11.1	73.4	930
ALL HOURS	100.0	100.0	99.6	97.3	89.5	75.3	58.7	38.4	11.3	71.6	7440

MONTH: JUN

00-02	100.0	100.0	100.0	100.0	99.8	97.4	86.6	55.7	16.8	80.4	900
03-05	100.0	100.0	100.0	100.0	100.0	99.4	94.1	67.7	22.7	83.4	900
06-08	100.0	100.0	100.0	100.0	100.0	97.9	89.3	61.0	17.7	81.5	900
09-11	100.0	100.0	99.9	99.9	96.2	81.0	53.1	25.0	4.7	70.7	900
12-14	100.0	100.0	100.0	97.0	82.4	54.9	27.8	10.9	2.3	62.4	900
15-17	100.0	100.0	100.0	95.2	77.2	51.3	28.8	11.9	1.3	61.2	900
18-20	100.0	100.0	100.0	97.7	86.4	66.0	41.6	18.0	2.2	66.0	900
21-23	100.0	100.0	100.0	99.9	97.2	88.3	68.9	38.3	7.4	75.0	900
ALL HOURS	100.0	100.0	100.0	98.7	92.4	79.5	61.3	36.1	9.4	72.6	7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	96.5	78.5	45.5	12.8	78.3	930
03-05	100.0	100.0	100.0	100.0	100.0	99.5	91.9	61.7	19.6	82.2	930
06-08	100.0	100.0	100.0	100.0	100.0	98.4	85.9	51.4	16.6	80.2	930
09-11	100.0	100.0	100.0	99.2	93.1	73.1	41.8	15.2	4.1	67.4	930
12-14	100.0	100.0	99.4	90.7	69.9	43.8	18.9	7.7	1.8	57.9	928
15-17	100.0	100.0	98.4	86.2	58.8	35.7	17.5	6.6	1.7	55.2	927
18-20	100.0	100.0	99.9	94.4	75.2	49.9	27.3	11.8	2.2	60.8	927
21-23	100.0	100.0	100.0	100.0	96.8	82.3	53.8	25.5	5.6	71.3	927
ALL HOURS	100.0	100.0	99.7	96.3	86.7	72.4	52.0	28.2	8.0	69.2	7429

MONTH: AUG

00-02	100.0	100.0	100.0	99.9	98.8	94.7	77.3	39.3	6.8	76.4	750
03-05	100.0	100.0	100.0	100.0	99.6	98.1	90.7	56.4	11.1	80.4	902
06-08	100.0	100.0	100.0	100.0	99.7	98.0	88.5	53.7	10.9	79.9	930
09-11	100.0	100.0	100.0	98.9	93.4	77.4	47.2	19.9	2.9	68.7	930
12-14	100.0	100.0	98.9	93.1	71.7	42.9	19.0	5.0	.7	57.6	882
15-17	100.0	100.0	98.6	87.2	64.3	33.9	16.3	6.1	.6	55.1	833
18-20	100.0	100.0	99.1	94.2	78.1	51.3	27.4	11.2	2.3	61.0	753
21-23	100.0	100.0	99.9	98.5	95.9	83.4	53.9	25.8	4.2	71.2	755
ALL HOURS	100.0	100.0	99.6	96.5	87.8	72.8	53.1	27.6	5.0	69.0	6735

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	99.8	98.8	92.3	66.7	21.3	82.7	900
03-05	100.0	100.0	100.0	100.0	100.0	100.0	95.4	74.6	29.0	84.6	900
06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.9	76.2	29.0	85.1	900
09-11	100.0	100.0	100.0	100.0	99.3	94.2	78.1	45.2	11.1	77.5	900
12-14	100.0	100.0	99.9	98.3	88.4	66.9	42.3	19.0	4.6	67.0	900
15-17	100.0	100.0	99.7	95.9	83.6	59.6	35.9	18.3	4.7	64.6	900
18-20	100.0	100.0	100.0	98.9	94.6	82.6	60.9	32.8	7.0	72.4	900
21-23	100.0	100.0	100.0	100.0	99.4	96.0	84.1	52.3	14.0	79.3	900
ALL HOURS	100.0	100.0	99.9	99.1	95.6	87.3	73.4	48.1	15.1	76.7	7200

MONTH: OCT

00-02	100.0	100.0	100.0	100.0	99.8	98.9	95.4	79.0	34.8	85.8	930
03-05	100.0	100.0	100.0	100.0	100.0	99.2	96.5	82.7	39.9	86.9	930
06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.7	84.4	41.9	87.3	930
09-11	100.0	100.0	100.0	99.9	99.4	97.4	89.8	72.7	28.1	83.5	930
12-14	100.0	100.0	99.8	99.5	98.0	88.4	68.9	43.5	13.1	75.8	929
15-17	100.0	100.0	99.8	99.6	97.0	85.0	63.8	36.1	10.2	73.8	929
18-20	100.0	100.0	100.0	99.9	99.1	96.6	86.3	62.5	18.1	80.8	930
21-23	100.0	100.0	100.0	100.0	99.7	98.5	93.2	74.2	28.5	84.1	930
ALL HOURS	100.0	100.0	99.9	99.9	99.1	95.4	86.2	66.9	26.8	82.2	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	98.6	93.8	74.3	34.2	84.9	900
03-05	100.0	100.0	100.0	100.0	100.0	98.9	94.9	75.0	35.2	85.2	900
06-08	100.0	100.0	100.0	100.0	100.0	99.4	95.3	76.7	35.0	85.4	900
09-11	100.0	100.0	100.0	100.0	100.0	99.1	92.8	74.6	32.1	84.5	900
12-14	100.0	100.0	99.9	99.9	98.9	91.8	79.1	59.3	20.7	79.4	900
15-17	100.0	100.0	99.8	99.3	97.6	91.3	76.7	55.6	18.7	78.3	900
18-20	100.0	100.0	100.0	100.0	99.4	97.2	87.1	68.0	24.9	82.3	900
21-23	100.0	100.0	100.0	100.0	100.0	99.2	91.4	71.0	30.7	84.0	900
ALL HOURS	100.0	100.0	100.0	99.9	99.5	96.9	88.9	69.3	28.9	83.0	7200

MONTH: DEC

00-02	100.0	100.0	100.0	99.9	99.0	98.0	92.7	67.0	30.6	83.4	930
03-05	100.0	100.0	100.0	99.8	99.4	98.0	91.9	68.4	31.9	83.8	930
06-08	100.0	100.0	100.0	99.7	99.5	97.8	92.5	68.1	33.8	83.9	930
09-11	100.0	100.0	100.0	99.8	99.4	98.1	92.0	67.0	31.5	83.7	930
12-14	100.0	100.0	99.9	99.1	98.5	95.8	86.0	62.8	28.0	81.7	930
15-17	100.0	100.0	100.0	99.4	98.2	95.4	84.5	60.5	26.1	81.1	930
18-20	100.0	100.0	100.0	100.0	98.8	96.9	88.6	64.6	28.8	82.7	930
21-23	100.0	100.0	100.0	100.0	98.9	98.0	91.8	66.9	31.6	83.5	930
ALL HOURS	100.0	100.0	100.0	99.7	99.0	97.2	90.0	65.7	30.3	83.0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.9	99.2	95.6	84.2	56.9	20.5	80.3	10777
03-05	100.0	100.0	100.0	100.0	99.6	97.7	89.4	63.7	24.4	82.3	10928
06-08	100.0	100.0	100.0	100.0	99.7	97.5	88.8	63.0	24.3	82.1	10956
09-11	100.0	100.0	100.0	99.5	96.6	87.3	69.9	44.8	15.9	76.0	10956
12-14	100.0	100.0	99.6	96.3	86.1	69.1	50.1	30.2	10.1	68.7	10905
15-17	100.0	100.0	99.2	93.9	81.4	64.4	46.6	27.5	8.8	66.8	10855
18-20	100.0	100.0	99.7	97.4	89.3	75.9	58.6	36.7	11.9	71.5	10776
21-23	100.0	100.0	100.0	99.7	97.4	89.6	73.9	47.7	16.2	77.1	10778
ALL HOURS	100.0	100.0	99.8	98.3	93.7	84.7	70.2	46.3	16.5	75.6	86931

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPP	AA AA	RRRRRRRR	TT	FFFFFFF
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	FFFFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

F - 1 - 1

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.05	30.02	29.99	29.95	29.98	30.03	30.08	30.05	30.07	30.04	30.03	30.01	30.02
	SD	.357	.361	.313	.232	.214	.161	.145	.141	.205	.290	.297	.385	.275
	TOT OBS	310	282	310	300	310	300	310	250	300	310	300	310	3592
0400	MEAN	30.04	30.00	29.98	29.94	29.96	30.02	30.07	30.04	30.06	30.02	30.02	30.00	30.01
	SD	.357	.363	.312	.234	.217	.163	.147	.146	.207	.288	.298	.385	.275
	TOT OBS	309	282	310	300	310	300	310	306	300	310	300	310	3647
0700	MEAN	30.04	30.00	29.98	29.95	29.97	30.03	30.08	30.05	30.07	30.03	30.02	30.00	30.02
	SD	.359	.365	.315	.238	.221	.163	.151	.147	.212	.287	.296	.383	.276
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	30.06	30.02	30.00	29.96	29.98	30.04	30.09	30.06	30.08	30.05	30.04	30.02	30.03
	SD	.364	.368	.319	.237	.223	.164	.150	.148	.215	.287	.298	.383	.278
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	30.05	30.02	30.00	29.95	29.97	30.03	30.08	30.05	30.07	30.04	30.03	30.01	30.02
	SD	.368	.362	.316	.233	.218	.159	.147	.147	.213	.285	.297	.386	.277
	TOT OBS	310	282	310	300	310	300	309	291	300	310	299	310	3631
1600	MEAN	30.03	30.00	29.98	29.93	29.96	30.02	30.07	30.04	30.06	30.02	30.02	30.00	30.01
	SD	.368	.355	.309	.227	.213	.155	.147	.142	.208	.283	.297	.383	.274
	TOT OBS	310	282	310	300	310	300	309	271	300	310	300	310	3612
1900	MEAN	30.04	30.01	29.99	29.93	29.96	30.01	30.06	30.03	30.06	30.04	30.03	30.01	30.01
	SD	.368	.355	.308	.226	.207	.154	.144	.132	.208	.284	.299	.384	.274
	TOT OBS	310	282	310	300	310	300	309	251	300	310	300	310	3592
2200	MEAN	30.05	30.02	30.00	29.96	29.98	30.03	30.08	30.05	30.08	30.04	30.04	30.01	30.03
	SD	.363	.357	.309	.230	.209	.156	.145	.134	.208	.289	.302	.383	.274
	TOT OBS	310	282	310	300	310	300	309	252	300	310	300	310	3593
ALL HOURS	MEAN	30.05	30.01	29.99	29.95	29.97	30.03	30.08	30.05	30.07	30.03	30.03	30.01	30.02
	SD	.363	.361	.313	.232	.216	.160	.147	.143	.210	.287	.298	.384	.275
	TOT OBS	2479	2256	2480	2400	2480	2400	2476	2241	2400	2480	2399	2480	28971

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	28.74	28.71	28.68	28.64	28.67	28.72	28.77	28.74	28.76	28.72	28.72	28.70	28.71
	SD	.345	.349	.302	.224	.207	.155	.139	.136	.198	.280	.286	.371	.265
	TOT OBS	310	282	310	300	310	300	310	250	300	310	300	310	3592
0400	MEAN	28.73	28.69	28.67	28.63	28.65	28.71	28.76	28.73	28.75	28.71	28.71	28.69	28.70
	SD	.344	.350	.301	.226	.209	.157	.141	.141	.200	.278	.287	.372	.265
	TOT OBS	309	282	310	300	310	300	312	304	300	310	300	310	3647
0700	MEAN	28.73	28.69	28.67	28.64	28.66	28.72	28.77	28.74	28.75	28.72	28.71	28.69	28.71
	SD	.346	.352	.304	.230	.213	.158	.145	.141	.204	.277	.286	.369	.266
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	28.74	28.71	28.69	28.65	28.67	28.73	28.78	28.75	28.77	28.74	28.73	28.71	28.72
	SD	.351	.355	.307	.229	.215	.158	.144	.142	.208	.277	.288	.370	.268
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	28.73	28.70	28.68	28.64	28.66	28.72	28.77	28.74	28.76	28.73	28.72	28.70	28.71
	SD	.355	.349	.305	.224	.210	.153	.142	.142	.206	.275	.286	.373	.267
	TOT OBS	310	282	310	300	310	300	309	291	300	310	299	310	3631
1600	MEAN	28.72	28.69	28.66	28.62	28.65	28.71	28.75	28.73	28.74	28.71	28.71	28.69	28.70
	SD	.355	.342	.298	.219	.205	.150	.142	.137	.201	.274	.287	.369	.264
	TOT OBS	310	282	310	300	310	300	309	271	300	310	300	310	3612
1900	MEAN	28.73	28.70	28.68	28.63	28.65	28.70	28.75	28.72	28.75	28.72	28.72	28.70	28.70
	SD	.355	.342	.297	.218	.199	.149	.139	.127	.200	.274	.289	.371	.264
	TOT OBS	310	282	310	300	310	300	309	251	300	310	300	310	3592
2200	MEAN	28.74	28.71	28.69	28.65	28.67	28.72	28.77	28.74	28.76	28.73	28.73	28.70	28.72
	SD	.350	.344	.298	.221	.202	.151	.139	.129	.200	.279	.291	.369	.264
	TOT OBS	310	282	310	300	310	300	309	252	300	310	300	310	3593
ALL HOURS	MEAN	28.73	28.70	28.68	28.64	28.66	28.71	28.76	28.74	28.75	28.72	28.72	28.70	28.71
	SD	.350	.348	.301	.224	.208	.154	.142	.138	.203	.277	.288	.371	.266
	TOT OBS	2479	2256	2480	2400	2480	2400	2478	2239	2400	2480	2399	2480	28971



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.4			930	.6			930	.3			930	.6			930
CATEGORY B	2.7	.2		1172	2.1	.3	.1	1194	1.9			1252	2.6	.4		1325

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.0			930	1.4	.1		930	.9			930	.6			930
CATEGORY B	4.0	.2	.1	1297	4.6	.7	.1	1251	3.0	.8	.6	1178	3.2	.3	.2	1149

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.8	.0		4650	.7	.0		7440
CATEGORY B	3.2	.4	.1	6303	3.0	.4	.1	9818

G - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.9			846	.8			846	.6			846	1.1	.1		846
CATEGORY B	3.7	.1		1035	3.5	.4	.1	1030	2.0	.1		1132	4.0	.5	.3	1149

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.9	.1		846	1.5			846	1.1			846	.7			846
CATEGORY B	4.2	.8	.3	1083	5.5	1.0	.3	1056	3.3	.4	.1	1014	2.6	.7	.2	1030

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.2	.0		4230	1.1	.0		6768
CATEGORY B	3.8	.6	.2	5434	3.6	.5	.2	8529

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100 STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.8			930	1.0			930	1.0			930	1.0	.1		930
CATEGORY B	2.3	.7	.1	1086	2.4	.5	.1	1134	2.1	.2	.1	1261	2.3	.2		1221

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.6			930	1.6			930	.3			930	.3			930
CATEGORY B	6.1	.9	.2	1163	6.6	.3		1149	2.9	.2	.1	1084	2.0	.2	.1	1076

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.1	.0		4650	.9	.0		7440
CATEGORY B	4.0	.4	.1	5878	3.3	.4	.1	9174

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: APR

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.2			900				900	.2			900	.8			900
CATEGORY B	.5	.1		980	1.1			1050	.9			1100	2.0			1014

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.3			900	1.2			900	.4			900	.3			900
CATEGORY B	5.3	.2		1027	5.4	.3		992	2.2	.1		987	.8	.2		942

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.8			4500	.6			7200
CATEGORY B	3.1	.1		5120	2.3	.1		8092

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				930				930				930	.1			930
CATEGORY B	.3			1004				1062	.5	.1	.1	1105	2.5			1033

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.6			930	.8			930	.2			930				930
CATEGORY B	3.4			1042	3.3	.2	.1	1025	1.2			1000	.1			967

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			4650	.2			7440
CATEGORY B	2.2	.1	.0	5205	1.4	.0	.0	8238

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.1			900	.3	.1	.1	900				900	.2			900
CATEGORY B	.4			1008	.7	.1	.1	1074	.6			1135	1.2			1043

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.6			900	.3			900				900				900
CATEGORY B	2.8			1032	3.0	.2		1016	1.4			980	.2			977

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.2			4500	.2	.0	.0	7200
CATEGORY B	1.8	.0		5206	1.3	.0	.0	8265



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B				992				1082				1129	.7			1049

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.5			928	.3			927	.4			927	.1			927
CATEGORY B	1.9	.1		1034	3.0	.1	.1	1019	2.0			997	.5			995

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			4642	.2			7429
CATEGORY B	1.5	.0	.0	5228	1.0	.0	.0	8297

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				750				902				930				930
CATEGORY B				822	.1			1039				1134	.4			1087

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				883	.5			833	.1			753				755
CATEGORY B	1.4			984	2.4	.1		926	.6	.1		833				818

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.1			4329	.1			6736
CATEGORY B	.9	.0		4964	.6	.0		7643

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				900	.1			900				900				900
CATEGORY B	.2			1006	.4	.1		1078	.2			1180	.4			1087

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			900	.3			900				900				900
CATEGORY B	1.4	.1		1033	1.6			1002	.8	.1	.1	999	.3			969

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.1			4500	.1			7200
CATEGORY B	.8	.0	.0	5301	.6	.0	.0	8354

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.0			929	1.1			930	.2			930	.3			930
CATEGORY B	1.7	.4	.1	1073	2.6	.3		1097	1.3	.3		1174	1.4			1153

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.8			930	.8			930	.8			930	.8			930
CATEGORY B	2.2	.1		1071	2.7	.1		1054	2.5	.4		1021	1.5	.3		1053

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.6			4650	.7			7439
CATEGORY B	2.0	.2		5473	2.0	.2	.0	8696

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.2			900				900	.6			900				900
CATEGORY B	1.1			1064	1.3			1081	1.7			1144	1.4			1130

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				900	.2			900	.6			900	.3			900
CATEGORY B	1.5			1081	1.5	.1		1083	2.0	.1		1049	1.8	.2	.1	1064

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			4500	.2			7200
CATEGORY B	1.6	.0		5487	1.5	.0	.0	8696

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.6			930	.4			930				930	.2			930
CATEGORY B	1.5	.2		1134	1.2	.1	.1	1163	.7			1213	.8			1208

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				930	.1			930	.3			930	.1			930
CATEGORY B	2.3	.2	.1	1217	2.4			1155	2.9	.2		1132	1.3			1135

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.1			4650	.2			7440
CATEGORY B	1.8	.1	.0	5925	1.6	.1	.0	9357

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.4			10775	.4	.0	.0	10928	.2			10956	.4	.0		10956
CATEGORY B	1.3	.1	.0	12376	1.3	.2	.0	13084	1.0	.1	.0	13959	1.7	.1	.0	13499

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.7	.0		10907	.8	.0		10856	.4			10776	.3			10778
CATEGORY B	3.1	.2	.1	13064	3.5	.3	.0	12728	2.1	.2	.1	12274	1.3	.2	.0	12175

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.5	.0		54451	.4	.0	.0	86932
CATEGORY B	2.3	.2	.0	65524	1.9	.2	.0	103159





PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRRR	TTTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPPPP	AA AA	RRRRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

H - 1 - 1

## PART B

### DEGREE DAY SUMMARIES

#### DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

#### HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

#### COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 53 - MAR 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1953	1079	894	645	469	288	168	111	127	229	408	717	815	5950
1954	1157	956	695	623	343	194	222	172	285	449	704	825	6625
1955	1059	974	921	528	427	180	68	89	239	571	744	854	6654
1956	952	1386	750	645	315	328	130	252	190	542	813	830	7133
1957	1009	682	563	511	445	129	114	177	295	493	728	961	6107
1958	985	774	948	669	301	204	89	110	****	****	****	****	4080
1959	962	750	613	465	281	140	45	100	141	441	760	853	5551
1960	983	832	680	529	261	146	210	146	294	480	619	970	6150
1961	979	630	633	425	454	199	233	177	118	432	785	964	6029
1962	869	850	981	567	487	215	178	132	297	442	827	1090	6935
1963	1325	1122	798	473	403	147	88	201	239	536	573	1164	7069
1964	1096	790	904	532	289	170	103	150	247	624	717	1011	6633
1965	953	984	764	625	392	202	217	197	342	521	866	851	6914
1966	1109	623	799	****	68	145	200	204	242	398	888	901	5577
1967	955	760	722	624	365	241	58	145	282	428	788	****	5368
1968	1013	806	708	457	377	181	****	****	****	****	****	1057	4599
1969	867	977	804	563	315	210	****	****	222	392	702	1149	6201
1970	1002	893	934	664	348	103	175	134	216	490	630	985	6574
1973	1042	923	810	674	348	141	122	53	242	554	760	973	6642
1974	790	724	648	467	383	218	178	111	299	748	751	757	6074
1975	798	811	844	604	379	202	56	50	181	626	817	1035	6403
1976	928	900	918	608	316	98	62	73	250	411	702	1064	6330
1977	956	721	645	702	413	209	94	113	292	441	683	818	6087
1978	908	938	708	582	356	237	185	188	306	497	823	951	6679
1979	1279	934	778	638	397	102	130	188	248	431	765	775	6665
1980	1064	741	766	621	426	270	243	146	231	586	811	975	6880

H - 2 - 1

1981	994	909	592	537	348	218	147	****	248	593	723	1010	6319
1982	1052	816	722	542	290	105	36	****	89	454	620	851	5577
1983	826	925	731	514	430	137	23	29	216	485	776	939	6031
1984	949	906	856	633	465	211	132	55	349	495	689	930	6670
1985	1246	999	865	571	301	272	71	179	226	498	899	794	6921
1986	985	1183	837	692	301	174	109	145	343	408	677	866	6720
1987	1236	884	961	513	527	205	79	114	163	444	704	881	6711
1988	787	824	806	535	252	191	143	70	220	405	802	735	5770
1989	884	819	595	597	211	183	55	78	182	351	793	848	5596
1990	904	584	581	566	229	219	126	42	295	400	707	938	5591
1991	938	988	****										1926
MEAN	997	870	764	570	348	185	124	129	242	484	745	924	
SD	130.50	155.95	118.53	73.52	88.26	51.00	61.48	55.63	61.42	84.18	76.55	108.98	

B - 2 - 1A

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106100

STATION NAME: BITBURG AB DL  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 53 - MAR 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1953					41	20	24	47	8				140
1954					12	21	4	26	11				74
1955				2		9	51	25	1				88
1956					6		22	3					31
1957						56	95	13	3				167
1958						6	24	38	****	****	****	****	68
1959					5	28	141	48	17				239
1960						31	3	16					50
1961						9	14	22	30				75
1962						24	16	25	3				68
1963					1	3	32	18					54
1964						25	101	36	5				167
1965						4	3	1					8
1966			****			30	1	25	1	3			60
1967					4	14	46	9	1			****	74
1968				5	1	10	****	****	****	****	****		16
1969					11	4	****	****	1				16
1970						37	8	26					71
1973						12	32	60	31				135
1974						2	6	37	2				47
1975						17	58	116	3				194
1976					11	99	155	20					285
1977						7	34	7					48
1978						13	31	5					49
1979					8	23	18	8					57
1980						5	17	16					38

1981	3	10	15	****		28
1982	2	45	126	****	26	199
1983		15	199	129		343
1984		5	55	28	1	89
1985	5	5	29	9	2	50

1986		59	37	27		123
1987		26	53	32	21	132
1988	2	1	22	59		84
1989	6	15	75	50	4	150
1990	3	9	48	150	2	212

---

MEAN	0	3	19	46	35	5	0
SD	.90	7.35	20.02	47.85	35.37	8.97	.51

A W S CLIMATIC BRIEF  FEB 92	STATION NAME: BITBURG AB DL												FIELD ELEV: 1228 FT	
	LATITUDE/LONGITUDE: 49 57 N 006 34 E												STATION MSC: 106100	
	HOURLY OBS POR: APR 81 - MAR 91												CALL SIGN: EDAB	
	SUMMARY OF DAY POR: APR 52-MAR 91												SUPERSEDES: OCT 86	
	HOURS SUMMARIZED: 0000 - 2300 LST													
	LST TO UTC: -01													
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	55	64	73	82	85	91	96	95	86	75	65	58	96	40
MEAN MAX TEMP (F)	36	39	46	53	61	67	71	70	64	55	44	38	54	40
MEAN TEMP (F)	32	34	40	46	54	59	62	62	57	49	40	35	47	40
MEAN MIN TEMP (F)	28	29	34	38	45	51	54	53	49	42	35	31	41	40
EXTRM MIN TEMP (F)	-3	-3	7	19	28	35	40	39	33	26	12	0	-3	40
D/W TEMP GE 80 (F)	0	0	0	#	1	2	5	3	1	0	0	0	12	40
D/W TEMP GE 70 (F)	0	0	#	1	6	11	16	15	7	1	0	0	57	40
D/W TEMP LT 33 (F)	20	18	13	6	1	0	0	0	0	2	11	17	88	40
D/W TEMP LT 20 (F)	5	4	1	#	0	0	0	0	0	0	1	3	14	40
HEATING DEGREE DAYS	997	870	764	570	348	185	124	129	242	484	745	924	6382	39
COOLING DEGREE DAYS	0	0	0	#	3	19	46	35	5	#	0	0	108	39
MEAN DEWPOINT TEMP (F)	28	25	31	35	44	49	52	52	48	44	35	31	39	10
MEAN WET BULB TEMP (F)	31	30	36	40	48	53	57	56	52	46	37	34	43	10
99.95% WCPA (FT)	2300	2200	2200	1900	1850	1650	1600	1550	1700	2050	2100	2450	2000	10
MEAN REL HUM 07 LST(%)	83.4	77.9	80.0	78.8	81.6	81.5	80.2	79.9	85.1	87.3	85.4	83.9	82.1	10
MEAN REL HUM 13 LST(%)	80.9	70.9	67.9	61.1	61.9	62.4	57.9	57.6	67.0	75.8	79.4	81.7	68.7	10
MAX 24HR PRECIP (IN)	.96	1.18	1.05	1.57	1.63	1.96	3.29	1.81	1.56	1.36	2.10	1.51	3.29	41
MAX PRECIP (IN)	5.33	5.38	4.40	3.70	5.72	4.77	5.73	6.56	5.67	4.75	6.50	7.39	44.39	41
MEAN PRECIP (IN)	2.32	2.04	2.08	1.75	2.34	2.60	2.53	2.32	2.16	2.09	2.52	2.57	27.19	41
MIN PRECIP (IN)	.66	.06	.09	.31	1.00	.07	.41	.22	.05	.05	.53	.27	18.14	41
D/W PRECIP GE .01 (IN)	18	13	14	13	14	13	12	13	12	12	16	16	166	41
D/W PRECIP GT .50 (IN)	1	1	1	1	1	1	1	1	1	1	1	1	12	41
MAX 24HR SNFL (IN)	5.9	8.2	6.2	13.6	1.2	0	0	#	#	.3	5.0	8.4	13.6	40
MAX SNFL (IN)	19.4	20.7	17.3	19.1	1.9	0	0	#	#	.4	11.5	17.9	63.8	40
MEAN SNFL (IN)	6.6	6.3	3.3	1.6	.1	0	0	#	#	#	2.2	4.8	24.2	40
D/W SNFL GE .1 (IN)	7	6	4	2	1	0	0	0	0	#	2	5	27	40
D/W SNFL GE 1.5 (IN)	1	1	1	1	0	0	0	0	0	0	1	1	6	40
MAX DLY SNO DEPTH (IN)	13	11	9	8	#	0	0	0	0	0	7	6	13	40
PRVING WND DIR (DEG)	23-25	07-07	23-25	05-07	05-07	23-25	23-25	23-25	23-25	23-25	23-25	23-25	23-25	10
MEAN WND SPD (KTS)	8	8	8	7	6	6	5	5	6	7	7	7	7	10
MAX WND SPD (KTS)	62	71	58	50	47	50	54	46	46	52	63	56	71	34
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W THUNDERSTORMS	1	1	1	1	4	5	5	4	2	1	1	#	26	41
D/W FOG (VSBY LT 7 MI)	23	19	19	16	16	17	17	19	21	25	24	24	240	41
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION														

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	70.1	47.0	37.0	21.8	19.0	17.6	9.8	14.1	28.7	47.0	58.2	66.5	36.4	10
	03 - 05	73.5	52.6	46.7	32.4	29.7	31.8	20.8	26.5	40.7	56.9	64.6	70.0	45.5	10
	06 - 08	73.4	58.0	59.5	47.4	39.7	45.2	32.7	38.8	56.0	65.7	63.5	71.1	54.2	10
	09 - 11	76.0	61.2	61.1	42.3	36.6	36.6	27.0	28.5	48.2	63.3	61.4	72.5	51.2	10
	12 - 14	74.6	53.2	49.6	34.9	29.5	21.8	16.1	16.6	32.4	48.9	56.4	70.8	42.1	10
	15 - 17	69.0	45.5	38.0	26.1	17.2	14.9	9.9	11.2	20.4	33.3	47.8	66.5	33.3	10
	18 - 20	61.8	42.6	28.7	19.2	14.8	11.2	7.2	8.1	19.4	33.7	48.9	63.4	29.9	10
	21 - 23	63.1	44.2	29.9	17.8	12.9	13.0	6.9	8.6	19.6	37.0	51.7	65.8	30.9	10
	ALL	70.2	50.5	43.8	30.3	24.9	24.0	16.3	19.9	33.2	48.2	56.6	68.3	40.7	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	54.4	33.6	19.6	13.1	11.6	11.8	6.9	9.6	17.9	35.0	43.0	48.7	25.4	10
	03 - 05	57.7	37.0	29.4	20.6	21.9	24.8	14.4	21.7	31.1	44.1	50.1	54.0	33.9	10
	06 - 08	57.8	42.4	44.1	36.8	30.0	35.7	22.8	31.1	45.8	54.0	50.1	54.6	42.1	10
	09 - 11	62.6	45.3	43.4	24.9	15.9	17.9	11.7	16.0	33.7	49.6	48.2	58.1	35.6	10
	12 - 14	55.1	34.9	23.5	15.6	7.4	6.8	2.7	5.8	13.7	30.3	37.4	52.9	23.8	10
	15 - 17	47.4	27.8	15.3	10.7	4.5	4.4	2.0	4.3	8.7	19.9	29.1	46.4	18.4	10
	18 - 20	47.5	26.5	13.5	12.0	4.8	4.0	2.0	3.3	8.2	18.1	30.6	44.7	17.9	10
	21 - 23	49.6	29.8	13.4	9.9	4.9	5.7	3.6	4.2	8.8	25.6	37.4	46.6	20.0	10
	ALL	54.0	34.7	25.3	17.9	12.6	13.9	8.2	12.6	21.0	34.6	40.7	50.7	27.3	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	43.3	24.6	12.6	8.4	6.9	6.9	4.1	6.1	11.9	24.5	33.9	39.9	18.6	10
	03 - 05	47.0	27.5	19.7	15.7	15.0	14.8	8.2	15.5	19.8	35.1	39.6	45.5	25.3	10
	06 - 08	46.3	30.5	29.8	24.0	17.5	21.1	13.9	21.3	32.5	43.5	41.5	46.5	30.7	10
	09 - 11	49.5	33.4	27.6	15.7	6.9	9.6	4.5	9.0	18.6	39.1	38.9	44.6	24.8	10
	12 - 14	44.5	22.8	11.7	6.6	2.9	2.3	1.1	2.4	7.2	18.2	28.3	40.9	15.7	10
	15 - 17	38.1	18.2	6.6	4.9	1.5	1.3	1.2	1.9	5.2	12.4	21.7	36.5	12.5	10
	18 - 20	39.0	19.5	7.3	7.0	2.3	1.4	1.0	1.5	5.3	10.8	23.0	37.2	13.0	10
	21 - 23	38.8	22.0	6.7	6.9	2.9	2.6	2.4	1.5	5.3	15.9	29.1	37.7	14.3	10
	ALL	43.3	24.8	15.2	11.3	7.0	7.5	4.5	7.8	13.2	24.9	32.0	41.1	19.5	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	15.1	7.1	2.0	.2	.6	1.1	.8	.9	2.8	7.1	11.6	13.8	5.3	10
	03 - 05	16.6	8.5	3.7	1.3	2.8	3.6	1.3	3.7	6.4	12.6	14.2	15.8	7.5	10
	06 - 08	16.9	9.5	5.4	3.8	2.5	2.4	1.3	5.2	11.6	15.7	16.3	16.7	8.9	10
	09 - 11	15.4	8.5	4.0	.7	.3	.4	.0	.4	3.3	11.5	13.6	18.5	6.4	10
	12 - 14	10.9	6.0	1.4	.0	.0	.0	.0	.0	.2	1.7	6.5	12.7	3.3	10
	15 - 17	8.6	5.8	.9	.0	.0	.0	.0	.0	.0	.4	6.1	13.1	2.9	10
	18 - 20	9.2	6.4	.8	.0	.0	.0	.0	.0	.2	1.3	5.9	12.8	3.0	10
	21 - 23	10.8	5.4	.8	.1	.0	.0	.3	.0	.6	3.3	8.0	12.8	3.5	10
	ALL	12.9	7.2	2.4	.8	.8	.9	.5	1.4	3.1	6.7	10.3	14.5	5.1	10

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @



## DISTRIBUTION

36 FW/DOM, APO AE 09132 .....	3
USAFETAC/DOL (Technical Services), Scott AFB, IL 62225-5458 .....	1
OL-A, USAFETAC, Federal Building, Asheville, NC 28801-2723 .....	2
DTIC-FDAC, Cameron Station, Alexandria, VA 22304-6145 .....	2
AWSTL, Scott AFB, IL 62225-5438 .....	3

DIST